

## SEQUENCE LISTING

<110> Petronis, Arturas  
 <120> Detection of Epigenetic Abnormalities and Diagnostic Method Based Thereon  
 <130> 08-896089WO  
 <140> Not Yet Known  
 <141> 2003-06-06  
 <150> 60/386,818  
 <151> 2002-06-06  
 <160> 263  
 <170> PatentIn version 3.1  
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 aaatacaaaa aattagccgg gcgcggtg 148  
 <210> 2  
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 <213> Artificial  
 <220>  
 <223> primer 'Alu For' (see Example 1)  
 <400> 2  
 gcctgtactc ccagcagttt 20  
 <210> 3  
 <211> 20  
 <212> DNA  
 <213> Artificial  
 <220>

<223> primer 'Alu Rev' (see Example 1)

<400> 3

ggagggtgtt tgcacaatct

20

<210> 4

<211> 24

<212> DNA

<213> Artificial

<220>

<223> primer '1MF' (see Example 2)

<400> 4

cagcgtacac atacacagaa gaga

24

<210> 5

<211> 23

<212> DNA

<213> Artificial

<220>

<223> primer '1MR' (see Example 2)

<400> 5

ttcctagtca ccaagtcata gca

23

<210> 6

<211> 109

<212> DNA

<213> Homo sapiens

<220>

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<223> Alu sequence cloned from Sch74-E52m/Sch74-E51m (see Figure 4)

<400> 6

cagctcactg caacctccgc ctcttggtt caagcgattt tccgcctta gctctctgag

60

taactgggac tagaggcagg taccaccacg cccagctaatt tttgtatt

109

<210> 7

<211> 109

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from BD43-E78m/BD43-E83m (see Figure 4)

<400> 7  
cggctcaatg caacctcagc ctcttgggtt caagcaattc tcctgtctca gcctcccag 60  
tagctgggat tacaggcaca tgccaccatg cccaactaat ttttgtatt 109

<210> 8  
<211> 109  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Alu sequence cloned from BD43-E78m (see Figure 4)

<400> 8  
cggctcaatg caacctcagc ctcttgggtt caagcaattc tcctgtctca gcctcccag 60  
tagctgggat tacaggcaca tgccaccatg cccaactaat ttttgtatt 109

<210> 9  
<211> 109  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> Alu sequence cloned from BD34-D19M (see Figure 4)

<400> 9  
tggctcactg taacctctgc ctcttgggtt caagtaattc tcctgtctca gcctcctgag 60  
tagctaggat tactggtgcc cgccaccatg cccggcaaatt ttttgtatt 109

<210> 10  
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<220>  
<221> misc\_feature  
<223> Alu sequence cloned from BD34-E62m\_ (see Figure 4)

<400> 10  
tggctcactg taacctctgc ctcttgggtt caagtaattc tcctgtctca gcctcctgag 60  
tagctaggat tactggtgcc cgccaccatg cccggcaaatt ttttgtatt 109

<210> 11  
<211> 109

<212> DNA  
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<400> 11  
 tggctcactg caacctctac ctctgagtt caagctcttc tcctgcctca acctccagag 60  
 taattgtgat tacaggtgcc tcccaccaca ccaggctaatt ttttgtatt 109

<210> 12  
 <211> 109  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from Ctrl57-E5m (see Figure 4)

<400> 12  
 cagctcactg caacctccat ttcttgggtt caagcgattc tcctgcctca gcctccggag 60  
 tagctgggac cacagacgtg tgccaccatg cctgggtaatt tttcatatt 109

<210> 13  
 <211> 110  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from BD43-RevE7m (see Figure 4)

<400> 13  
 cagctcactg caaccaccac ctcccaggtt caagtgatta tcctgcctca gcctcccgag 60  
 tagctgggat tacagatgcc caccaacaca ccaggctaatt tttttgtatt 110

<210> 14  
 <211> 110  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from BD43-RevE77m (see Figure 4)

<400> 14  
cagctcactg caaccaccac ctcccaggtt caagtgatta tcctgcctca gcctcccgag 60  
tagctgggat tacagatgcc caccaacaca ccaggctaatt tttttgtatt 110

<210> 15  
<211> 110  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Alu sequence cloned from BD34-A14M (see Figure 4)

<400> 15  
cagcccagtg caagctccgc ctcccaggtt cagctcattc tcctgcctca gcctcccgag 60  
tagctgggac tacaggcgcc cgccaccacg cccagctaatt tttttgtatt 110

<210> 16  
<211> 110  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Alu sequence cloned from Ctrl57-E3m (see Figure 4)

<400> 16  
cggctcactg caagctccgc ctcccgggtg cagccattc tcctgcctca gcctcccgag 60  
tagctgggac tacaggcgcc cgccaccacg cccggctaatt tttttgtatt 110

<210> 17  
<211> 110  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Alu sequence cloned from Sch74-E318m (see Figure 4)

<400> 17  
tggctcactg caacctccgc ctcccaggtt caagcaattc tcctgcctca gtctcccgag 60  
tagctgggac taccggcgag tgctaccatg cctgcgtaatt tttttgtact 110

<210> 18  
<211> 110

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Alu sequence cloned from Sch74-E318\_m (see Figure 4)

<400> 18  
tggctcactg caacctccgc ctcccagggt caagcaattc tcctgcctca gtctcccagag 60  
tagctgggac taccggcgag tgctaccatg cctgcgtaat tttttgtact 110

<210> 19  
<211> 110  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Alu sequence cloned from Ctrl157-E4m (see Figure 4)

<400> 19  
tggctcactg caacctccgc ctcccagggt caagcaattc tcctgcctca gtctcccagag 60  
tagctgggac taccggcgag tgctaccatg cctgcgtaat tttttgtact 110

<210> 20  
<211> 110  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Alu sequence cloned from BD43-E79m (see Figure 4)

<400> 20  
cagctcactg caacctccgt ttcccagggt caaccgattc tcctgcctca gacctctgaa 60  
gcggctggga ctacagggtgc ctgccacctc acccggtctaa tttttgtatt 110

<210> 21  
<211> 108  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Alu sequence cloned from Ctrl157-E6m (see Figure 4)

<400> 21  
 cagctcacca caacctccgc ctctggggtt ccagcgattc tcctgcctcg gcctcccaag 60  
 tagctgggat tacaggcacg caccaatata cctggctaatt tttgtatt 108

<210> 22  
 <211> 108  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from Ctrl157-E6m (see Figure 4)

<400> 22  
 cagctcacca caacctccgc ctctggggtt ccagcgattc tcctgcctcg gcctcccaag 60  
 tagctgggat tacaggcacg caccaatata cctggctaatt tttgtatt 108

<210> 23  
 <211> 110  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from Ctrl50-RevE169m (see Figure 4)

<400> 23  
 cagctctcca caacctccgc catcgtgggt tccagcagat tctcctgcct cggcctccca 60  
 agtagctggg aatacaggca cgctccaata cacctggcta attatgtatt 110

<210> 24  
 <211> 109  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from Sch56-E283m (see Figure 4)

<400> 24  
 cagctcaccg caacctttgc ctcacgggct caagtgattc tcatgcttga tcctaccaag 60  
 tagctgggat tacaggcaca tgccatcatg ctgagctaac tttggtatt 109

<210> 25  
 <211> 109

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Alu sequence cloned from Sch56-r-37m (see Figure 4)

<400> 25  
cagctcaccg caacctttgc ctcacgggct caagtgattc tcatgcttga tcctaccaag 60  
tagctgggat tacaggcaca tgccatcatg ctgagctaac tttggtatt 109

<210> 26  
<211> 105  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Alu sequence cloned from Sch56-E32m (see Figure 4)

<400> 26  
cacgtcactg taatgtccat ctcccggggt caggtgattc tcctgcccc gacctctgag 60  
tagctgtaca ggcgtgcacc accatgcccg actaattttt gtact 105

<210> 27  
<211> 98  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Alu sequence cloned from Ctrl50-E166m (see Figure 4)

<400> 27  
cggccccactg caacctccgc ctcccgggtg caagcagttc tcctacctca gacctctgag 60  
tagctaggat tacaggcaca cctggctaatt tttgtggt 98

<210> 28  
<211> 110  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Alu sequence cloned from Ctrl50-E49m (see Figure 4)



<400> 28  
 cgactcattg caacctctgc ctctgggtt taagccgttc tcatgectca gcctcccgac 60  
 gtagctggga ttataggcat gcgccaccac cccagctaa tttttgtatt 110

<210> 29  
 <211> 589  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-130\_m37\_SZ (see Figure 3)

<400> 29  
 ctgattacgc caagctctaa tacgactcac tatagggaaa gctcgggtacc acgcatgctt 60  
 gcagacgcgt tacgtatcgg atccagaatt cgtgattgga ggggtgtttgc acaatctcag 120  
 ctcaccgaaa cctccgcctc acaggttcaa gtgattcctc tgcctcagcc ttctgagtag 180  
 ctaggatgac aagcatttgc catgatacct ggctaatttt gtatttttag tagagaccag 240  
 gattcttcat gttgataagg tggttcttga actcctgacc tcagatgac catctgattt 300  
 ggctcccaa actgctggga gtacaggcaa tctgaattcg tcgacaagct tctcgagcct 360  
 aggctagctc tagaccacac gtgtgggggc ccgagctcgc ggccgctgta ttctatagt 420  
 tcacctaaat ggccgcacaa ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac 480  
 cctggcggtta cccaacttaa tcgccttgca gcacatcccc ctttcccagc tggcgtaata 540  
 gacgaagagg cccgcaccga tcgcccttcc caacagttgc gcaagcctg 589

<210> 30  
 <211> 612  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-140\_m48\_SZ (see Figure 3)

<400> 30  
 ctatcccattg attacgcaa gctctaatac gactcactat agggaaagct cgggtaccacg 60  
 catgctgcag acgcgttacg tatcggtacc agaattcgtg attgcctgta ctcccagcag. 120  
 tttgggaggg tgaggtaggt ggatcacgag gtcaggagtt ctagatcagc ctggccaaca 180  
 ggggtgaaacc atgtctctac taaaaataca aaaattagtc aggcgtgggtg gtgggcacct 240

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gtaatcccag ttacttgggg ggctgaggca ggagaatttc ttgaacctgg aaggcagagg 300
ttgcagtcag ccgagattgt gcaaacaccc tccaatctga attcgctgac aagcttctcg 360
agcctaggct agctctagac cacacgtgtg ggggcccgag ctgcggccg ctgtattcta 420
tagtgtcacc taaatggccg cacaattcac tggccgtcgt tttaacaagt cgtgactggg 480
aaaacctggc gttacccaac ttaatcgct tgcagcacat ccccttttcg ccagctggcg 540
taatagcgaa gagggccgca cggatcgccc ttcccacagt tgcgcagcct gaatggcgaa 600
tggaattgt aa 612

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<210> 31
<211> 602
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Alu sequence cloned from E-150_m48_SZ (see Figure 3)

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<400> 31
ctatgaccat gattacgcca agctctaata cgactcacta tagggaaagc tcggtaccac 60
gcatgctgca gacgcgttac gtatcggatc cagaattcgt gattgcctgt actcccagca 120
gtttgggagg ccaaatacaga tggatcatct gaggtcagga gttcaagaac caccttatca 180
acatgaagaa tcctgggtctc tactaaaagt acaaaattag ccaggatatca tggcaaatgc 240
ttgtcatcct agctactcag aaggctgagg cagaggaatc acttgaacct gtgaggcgga 300
ggtttcgggtg agctgagatt gtgcaaacac cctccaatct gaattcgtcg acaagcttct 360
cgagcctagg ctagctctag accacacgtg tgggggcccg agctcgcggc cgctgtattc 420
tatagtgtca cctaaatggc cgcacaattc actggccgtc gttttacaac gtcgtgactg 480
ggaaaaccct ggcgttacct aacttaatcg ccttgacgca catccccctt tcgccagctg 540
gcgtaatagc gaagagggcc gcaccgatcg cccttccaac agttgcgcag cctgaatggc 600
ga 602

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<210> 32
<211> 620
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature

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<223> Alu sequence cloned from E-154\_m56\_SZ (see Figure 3)

```

<400> 32
atgattacgc caagctctaa tacaactcac tatgggcaaa tggtcgcaac ctgcgatgct      60
gcatacgcggt tacgtatcgg atccagaatt cgtgattgga ggggtgtttgc acaatctcag      120
ctcactgcaa cctccacctc ccaggetcaa tgatcctccc acctcaactc ccccgagtaa      180
ctgggaccac aggtgcatgc cagcatgccc agctaatttt tgtattttct gttgagatgg      240
ggtttttgcca tgttgcccag gcaggtctcg aactgctggg ctcaagtgat cctcctgcct      300
ccacctcaca aactgctggg agtacaggca atctgaattc gtcgacaagc ttctcgagcc      360
taggctagct ctagaccaca cgtgtggggg cccgagctcg cggccgctgt attctatagt      420
gtcacctaaa tggccgcaca attcactggc cgtcgtttta caacgtcgtg actgggaaaa      480
ccctggcggtt acccaactta atcgcttgc agcacatccc cctttcgcca gctggcgtaa      540
tagcgaagag gcccgcaccg atcgcccttc ccaacagttg cgcagcctga atggcgaatg      600
gaaattgtaa gcgttaatat                                     620

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<210> 33
<211> 598
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Alu sequence cloned from E-178_m74_SZ (see Figure 3)

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<400> 33
aagatccata tgaccatgat tacgccaagc tctaatacga ctactatag ggaaagctcg      60
gtaccacgca tgctgcagac gcgttacgta tcggatccag aattcgtgat tggaggggtgt      120
ttgcacaatc ttggctcaat gcaacctccg cctcccggtt tcaagagatt ctctgcctc      180
agcctcccga gaggtcggga ctacaggcat gcgccaccat gccagctag tttttgtatt      240
tttagtagag atgggggtttc cccatgttgg ccaggatgat ctogatctct tgacctcgtg      300
atctgcccgc ctacgcctcc caaacttgct gggagtacag gcaatctgaa ttcgtcgaca      360
agcttctcga gcctaggcta gctctagacc acacgtgtgg gggcccagac tcgcggccgc      420
tgtattctat agtgtcacct aaatggccgc acaattcact ggccgtcgtt ttacaacgtc      480
gtgactggga aaaccctggc gttaccaaac ttaatgcct tgcagcacat ccccttttcg      540

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ccagctggcg taatagcgaa gaggcccgca ccgatcgccc ttcccaacag ttgcgcag 598

<210> 34  
 <211> 692  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-191\_m34-4\_BD (see Figure 3)

<400> 34  
 atgattacgc caagctctaa tacgactcac tatagggaaa gtcggtacc acgcatgctg 60  
 cagacgcggt acgtatcgga tccagaattc gtcgatctga attcgtcgac aagcttctcg 120  
 agcctaggct agctctagac cacacgtgtg ggggccccgag ctgcgggccg ctgtattcta 180  
 tagtgtcacc taaatggccg cacaattcac tggccgtcgt ttacaacgt cgtgactggg 240  
 aaaaccctgg cgttacccaa cttaatcgcc ttgcagcaca tcccccttc gccagctggc 300  
 gtaatagcga agaggccgc accgatcgcc cttcccaaca gttgcgcagc ctgaatggcg 360  
 aatggaaatt gtaagcgta atattttgtt aaaattcgcg ttaaattttt gttaaatacag 420  
 ctcatttttt aaccaatagg ccgaaatcgg caaaatccct tataaatcaa aagaatagac 480  
 cgagataggg ttgagtgttt gttccagttt ggaacaagag tccactatta aagaacgtgg 540  
 actccaacgt caaagggcga aaaaccgtct atcagggcga tggcccacta cgtgaaccat 600  
 caccctaatac aagtttttgg ggtcgaggtg ccgtaaagca ctaaatacga accctaaagg 660  
 gagccccga tttagagctt gacggggaaa gc 692

<210> 35  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-221\_m37\_SZ (see Figure 3)

<400> 35  
 ccatatgacc atgattacgc caagctctaa tacgactcac tatagggaaa gtcggtacc 60  
 acgcatgctg cagacgcggt acgtatcgga tccagaattc gtgattgcct gtactcccag 120  
 cagtttggga ggccaaatca gatggatcat ctgaggtcag gagttcaaga accaccttat 180

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caacatgaag aatcctgggc tctactaaaa atacaaaatt agccagggtat catggcaaatt      240
gcttgctcatc ctagctactc agaaggctga ggcagaggaa tcaacttgaaac ctgtgaggcg      300
gagggtttcgg tgagctgaga ttgtgcaaac accctccaat ctgaattcgt cgacaagctt      360
ctcgagccta ggctagctct agaccacacg tgtggggggcc cgagctcgcg gccgctgtat      420
tctatagtgt cacctaaatg gccgcacaat tcaactggcg tcgtttttaca acgtcgtgac      480
tgggaaaacc ctggcggttac ccaacttaat cgccttgtag cacatcccc      530.

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<210> 36
<211> 600
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Alu sequence cloned from E-244_m48_SZ (see Figure 3)

```

```

<400> 36
ccgtatgacc atgattacgc caagctctaa tacgactcac tatagggaaa gctcgggtacc      60
acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattggag ggtgtttgca      120
caatctcagc tcaccgaaac ctccgcctca caggttcaag tgattcctct gcctcagcct      180
tctgagtagc taggatgaca agcatttgcc atgatacctg gctaattttg tatttttagt      240
agagaccagg attcttcatg ttgataaggt ggttcttgaa ctctgacct cagatgatcc      300
atctgatttg gcctcccaaa ctgctgggag tacaggcaat ctgaattcgt cgacaagctt      360
ctcgagccta ggctagctct agaccacacg tgtggggggcc cgagctcgcg gccgctgtat      420
tctatagtgt cacctaaatg gccgcacaat tcaactggcg tcgtttttaca acgtcgtgac      480
tgggaaaacc ctggcggttac ccaacttaat cgccttgtag cacatcccc tttcgccagc      540
tggcgtaata gcgaagaggc cgcaccgatc gcccttccca acagttgcgc agcctgaatg      600

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<210> 37
<211> 586
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Alu sequence cloned from E-246_m48_SZ (see Figure 3)

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<400> 37

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ctatgaccat gattacgcca agctctaata ccgactcact atagggaaag ctcggtacca      60
cgcatgctgc agacgcgtta cgtatcggat ccagaattcg tgattggagg gtgtttgcac      120
aatctcggct cactgcaacc tccacctccc aggttcaagc aattctcctg cctcagcctc      180
ccaagtagct gagattacag gcggctgcca tcatgcctgg ctaatTTTTTg tatttttact      240
aaagacgggg ttttgccatg ttggccaggc tgttctcaaa ctctgactt caggtgatcc      300
acctgcctca gcctcccaaa ctgctgggag tacaggcaat ctgaattcgt cgacaagctt      360
ctcagaccta ggctagctct agaccacacg tgtggggggc cgagctcgcg gccgctgtat      420
tctatagtgt cacctaaatg gccgcacaat tcaactggccg tcgttttaca acgtcgtgac      480
tgggaaaacc ctggcgttac ccaacttaat cgccttgca ccatcccc tttcgccagc      540
tggcgtaata gcgaagaggc ccgcaccgat cgccttccc aacagt                      586

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<210> 38  
 <211> 560  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-251\_m48\_SZ (see Figure 3)

```

<400> 38
catgattacg ccaagctcta atacgactca ctatagggaa agctcggtag cacgcatgct      60
gcagacgcgt tacgtatcgg atccagaatt cgtgattcgg aggtgtttg cacaatcttg      120
actaactgca acatctgcct cccaggttca agcaattctg cctcagcttc ctgagcagct      180
gggattacag atgagcacta ccatgacagg ctaatTTTTTt tatttttagt agaggcgggg      240
tttcaccatg ttggccaggc tggatcatgaa ctctgacct caggtgattc acctgcctca      300
gcctcccaaa ctgctgggaa tctgaattcg tcgacaagct tctcagacct aggctagctc      360
tagaccacac gtgtgggggc ccgagctcgc ggccgctgta ttctatagtg tcacctaaat      420
ggccgcacaa ttcaactggc gtcgttttac aacgtcgtga ctgggaaaac cctggcgтта      480
cccaacttaa tcgccttgca gcacatcccc ctttcgccag ctggcgtaat agcgaagagg      540
ccgcaccga tcgccttcc                                           560

```

<210> 39  
 <211> 581  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from E-252\_m48\_SZ (see Figure 3)

<400> 39  
 cgatatgacc atgattacgc caagctctaa tacgactcac tatagggaaa gctcgggtacc 60  
 acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattggag ggtgtttgca 120  
 caatctcagc tcaccgaaac ctccgcctca caggttcaag tgattcctct gcctcagcct 180  
 tctgagtagc taggatgaca agcatttgcc atgatacctg gctaattttg tatttttagt 240  
 agagaccagg attcttcatg ttgataagggt ggttcttgaa ctctgacct cagatgatcc 300  
 atctgatttg gcctcccaaa ctgctgggag tacaggcaat ctgaattcgt cgacaagctt 360  
 ctcgagccta ggctagctct agaccacacg tgtggggggc cgagctcgcg gccgctgtat 420  
 tctatagtgt cacctaaatg gccgcacaat tcaactggccg tcgttttaca acgtcgtgac 480  
 tggggaaaac cctggcgta cccaacttaa tcgccttgca gcacatcccc ctttcgccag 540  
 ctggcgtaat agcgaagagg cccgcaccga tcgcccttc c 581

<210> 40

<211> 571

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from E-2531\_m48\_SZ (see Figure 3)

<400> 40  
 cagctatgac catgattacg ccaagctcta atacgactca ctatagggaa agctcgggtac 60  
 cacgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgattgcc tgtactccca 120  
 gcagtttggg aggctgaggg aggtgaatca cctgaggtca ggagttcatg accagcctgg 180  
 ccaacatggt gaaaccccg cttactataa aatataaaaa ttagcctgtc atggtagtgc 240  
 tcatctgtaa tcccagctgc tcaggaagct gaggcagaat tgcttgaacc tgggaggcag 300  
 atgttgacgt tagtcaagat tgtgcaaaca ccctccaatc tgaattcgtc gacaagcttc 360  
 tcgagcctag gctagctcta gaccacacgt gtggggggcc gagctcgcgg ccgctgtatt 420  
 ctatagtgtc acctaaatgg ccgcacaatt cactggccgt cgtttttacaa cgctcgtgact 480

gggaaaaccc tggcgttacc caacttaatc gccttgcagc acatccccct ttcgccagct 540  
ggcgtaatag cgaagagggc cgcaccgatc g 571

<210> 41  
<211> 599  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (575)..(575)  
<223> n is a, g, c, or t

<220>  
<221> misc\_feature  
<223> Alu sequence cloned from E-2532\_m48\_SZ (see Figure 3)

<400> 41  
ctatgacat gattacgcc agctctaata cgactcacta tagggaaagc tcggtaccac 60  
gcatgctgca gacgcgttac gtatcggatc cagaattcgt gattgcctgt actcccagca 120  
gtttgggagg ctgaggcagg tgaatcacct gaggtcagga gttcatgacc agcctggcca 180  
acatggtgaa acccgcctc tactaaaaat ataaaaatta gcctgtcatg gtagtgctca 240  
tctgtaatcc cagctgctca ggaagctgag gcagaattgc ttgaaccttg ggaggcagat 300  
gttgacgtta gtcaagattg tgcaaacacc ctccaatctg aattcgtcga caagcttctc 360  
gagcctaggc tagctctaga ccacacgtgt gggggcccga gctcgcggcc gctgtattct 420  
atagtgtcac ctaaattggc gcacaattca ctggccgtcg ttttacaacg tcgtgactgg 480  
gaaaaccctg gcgttaccca acttaatcgc cttgcagcac atcccccttt cgccagctgg 540  
cgtaatagcg aagaggcccg caccgatcgc ccttnccaac agttgcgcag cctgaatgg 599

<210> 42  
<211> 500  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Alu sequence cloned from E-258\_m48\_SZ (see Figure 3)

<400> 42  
ccatatgatc atgattacgc caagctctaa tacgactcac tatagggaaa gctcgggtacc 60



```

accgcatgct gcagaacgct tacgtatcgg atccagaatt cgtgattgga ggggtgtttgc 120
acaatcttgg ctactgcaa cctctgcccc ccagggtcaa acgattctcc tgcctcagcc 180
tcccagtag tagtgggattat aggcacctgc caccacgccc agctaatttt ttgcattttt 240
agtagagacg ggggtttcact atgttggcca ggctggtcta gaactcctga ccttgtgatc 300
cgccccgctt ggcctcccaa actgctggga gtaatctgaa ttcgtcgaca agcttctcga 360
gcctaggcta gctctagacc acacgtgtgg gggcccgagc tcgcgggcgc tgtattctat 420
agtgtcacct aaatggccgc acaattcact ggccgctcgt ttacaacgtc gtgactggga 480
aaaccctggc gttacccaac 500

```

<210> 43  
 <211> 510  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-261\_m50\_Ctrl (see Figure 3)

```

<400> 43
tgacctgat tacgccaagc tctaatacga ctactatag ggaaagctcg gtaccacgca 60
tgotgcagac gcgttacgta tcggatccag aattcgtgat tggaggggtgt ttcgcacaat 120
ctcagctcac cgaaacctcc gcctcacagg ttcaagtgat tcctctgcct cagccttctg 180
agtagctagg atgacaagca ttgccatga tacctggcta attttgtatt tttagtagag 240
accaggattc ttcatgttga taagggtggt cttgaactcc tgacctcaga tgatccatct 300
gatttggcct cccaaactgc tgggagtaca ggcaatctga attcgtcgac aagcttctcg 360
agcctaggct agctctagac cacacgtgtg ggggcccagc ctcgcgggcg ctgtattcta 420
tagtgtcacc taaatggccg caaattcac tggccgctcg ttacaacgt cgtgactggg 480
aaaaccctgg cgttacccaa cttaatcgcc 510

```

<210> 44  
 <211> 520  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-267\_m50\_Ctrl (see Figure 3)

```

<400> 44
ttacgccaaag ctctaatacgt actcactata gggaaagctc ggtaccacgc atgctgcaga      60
cgcgttacgt atcggatcca gaattcgtga ttgcctgtac tcccagcagt ttgggaggcc      120
aaatcagatg gatcatctga ggtcaggagt tcaagaacca ccttatcaac atgaagaatc      180
ctgggtctcta ctaaaaatac aaaattagcc aggtatcatg gcaaagtctt gtcacccctag      240
ctactcagaa ggctgaggca gaggaatcac ttgaacctgt gaggcggagg tttcgggtgag      300
ctgagattgt gcaaacaccc tccaatctga attcgtcgac aagcttctcg agcctaggct      360
agctctagac cacacgtgtg ggggcccagc ctgcgcggccg ctgtattcta tagtgtcacc      420
taaatggccg cacaattcac tggccgtcgt tttacaacgt cgtgactggg aaaaccctgg      480
cggttaccca acttaatcgc cttgcagcac atcccccttt      520

```

```

<210> 45
<211> 355
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (11)..(11)
<223> n is a, g, c, or t

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from E-269_m50_Ctrl (see Figure 3)

```

```

<220>
<221> misc_feature
<222> (16)..(16)
<223> n is a, g, c, or t

```

```

<400> 45
cttcocaaagg ntaagntcta atattactca ctatagggaa agctcggccc cactcatgct      60
gcagacgcgt tacgtattgg atccagaatt cgcgattgga ggggtgtttgt acaatctctg      120
ctcaccgaaa cctccgcctc acagggttcaa gtgatccctc tgcctcagcc ttctgagtag      180
ctaggatgac aagcatttgc catgatacct ggctaatttt gtatttttag tagagaccag      240
gattctttta tggttgataag gcggttcttg aactcctgac ctcagattga ttcacatgat      300
ttggcctccc aaactgctgg gagtacaggc aatctgaatt cgtcaacaag cttct      355

```

<210> 46  
 <211> 601  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-285\_m56\_SZ (see Figure 3)

<400> 46  
 ggtgagagat tacgccaagc tctaatacga ctactatag ggaaagctcg gtaccacgca 60  
 tgctgcagac gcgttacgta tcggatccag aattcgtgat tgcctgtact cccagcagtt 120  
 tgggaggctg aagtgggttg attaccgag gtcaggagtt ccagaccagg ttgaccaaca 180  
 tggagaaacc ctgtctctac taataatata aaattagcca ggtgtattgg tgcgtgcctg 240  
 tattcccagc tacttgggag gccgaggcag gagaatcgct ggaaccagg aggcgagggt 300  
 tgtggtgagc tgagattgtg caaacacccc ccaatctgaa ttcgtcgaca agcttctcga 360  
 gcctaggcta gctctagacc acacgtgtgg gggcccgagc tcgcgccgc tgtattctat 420  
 agtgtcacct aaatggccgc acaattcact ggccgtcgtt ttacaacgtc gtgactggga 480  
 aaaccctggc gttacccaac ttaatcgctt tgcagcacat ccccttttcg ccagctggcg 540  
 taataagcga agaggccgc accgatcgcc ctttccaaca gttgcgcaag cctgaatggc 600  
 g 601

<210> 47  
 <211> 600  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-286\_m56\_SZ (see Figure 3)

<400> 47  
 gttctaatac gactcactat agggaaagct cggtagcacg catgctgcag acgcgttacg 60  
 tateggatcc agaattcgtg attggagggt gtttgacaa totcagctca ccgaaacctc 120  
 cgcctcacag gttcaagtga ttcctctgcc tcagccttct gagtagctag gatgacaagc 180  
 atttgccatg atacctggct aattttgtat ttttagtaga gaccaggatt cttcatgttg 240  
 ataagggtgt tcttgaactc ctgacctcag atgatccatc tgatttggcc tcccaaactg 300  
 ctgggagtag aggcaatctg aattcgtcga caagcttctc gagcctaggc tagctctaga 360

```

ccacacgtgt gggggcccca gctcgcggcc gctgtattct atagtgtcac ctaaattggcc 420
cgcacaattc actggccgct gttttacaac gtcgtgactg ggaaaaccct ggcgttacct 480
aacttaatcg ccttgcagca catccccctt tcgccagctg gcgtaatagc gaagaagccc 540
gcaccgatcg cccttcccaa cagttgcgca gcctgaatgg cgaatggaaa ttgtaagcgt 600

```

```

<210> 48
<211> 400
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from E-287_m56_SZ (see Figure 3)

```

```

<400> 48
taattaactc actataggga aagctcggga gcacgcatgc tgcatacgcg tttcgtatct 60
ggatccagaa ttcgcgattg cctgtactcc cagcagtttg ggaggccaaa tcagatggat 120
catctgaggg caggagttca agaaccacct tatcaacatg aataatcctg gtctctacta 180
aaaatacgaa attagccagg tatcatggaa aatgcttgct atcctagcta ctcagaaggg 240
tgaggcagag gaatcacttg aacctgtgag gcggagggtt cggtgagctg agattgggca 300
aacaccctcc aatctgaatt cgtccgacaa gcttctcgag cctaggctag ctctagacca 360
cacgcgtggg ggcccagct cgcgcccgct gtattctatt 400

```

```

<210> 49
<211> 453
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (15)..(15)
<223> n is a, g, c, or t

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from E-288_m56_SZ (see Figure 3)

```

```

<400> 49
gttcagatct aatangactc actatcggga aagctcggca ccacgcatgc tgcagacgcg 60
ttacgtatcc ggatccatga attcgtgatt gcctgtactc ccagcagttt gggaggccaa 120

```

```

atcagatgga tcattctgagg tcaggagtgc aagaaccacc ttatcaacat gaagaatcct      180
ggctcttact aaaaatacaa aattagccag gtatcatggc aaatgcttgt catcctagct      240
actcagaagg ctgaggcaga ggaatcactt gaacctgtga ggcggagggt tcggtgagct      300
gagattgtgc aaacaccctc caatctgaat tcgtcgacaa gcttctcgag cctaggctag      360
ctctagacca cacgtgtggg ggcccagct cgcgcccgct gcattctata gtgtcaccta      420
aatggccgca caattcactg gccgtcgttt tta                                     453

```

```

<210> 50
<211> 601
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from E-289_m56_SZ (see Figure 3)

```

```

<400> 50
ttacgcccaag ctctaatacg actcactata gggaaagctc ggtaccacgc atgctgcaga      60
cgcgttacgt atcggatcca gaattcgtga ttgcctgtac tcccagcagt ttgggaggcc      120
aaatcagatg gatcatctga ggtcaggagt tcaagaacca cttatcaac atgaagaatc      180
ctggtctcta ctaaaaatac aaaattagcc aggtatcatg gcaaatgctt gtcattctag      240
ctactcagaa ggctgaggca gaggaatcac ttgaacctgt gaggcggagg ttctgggtgag      300
ctgagattgt gcaaacaccc tccaatctga attcgtcgac aagcttctcg agcctaggct      360
agctctagac cacacgtgtg ggggcccagc ctcgcccgcg ctgtattcta tagtgtcacc      420
taaatggccg cacaattcac tgggccgtcg ttttacaacg tcgtgactgg gaaaaccctg      480
gcgttaccca acttaatgc cttgcagcac atcccccttt cgccagctgg cgtaatagcg      540
aagaggccgc accgatcgcc cttcccaaca gttgcgcagc ctgaatggcg aatggaaatt      600
g                                     601

```

```

<210> 51
<211> 580
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from E-290_m56_SZ (see Figure 3)

```

```

<400> 51
atattgatca tgattacgcc aacgctctaa tacgactcac tatagggaaa gctcgggtacc      60
acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattgcct gtactcccag      120
cagtttggga ggctgaagtg ggttgattac ccgaggtcag gagttacaga ccaggttgac      180
caacatggag aaaccctgtc tctactaaaa atacaaaatt agccaggtgt attggtgcgt      240
gcctgtaatc ccagctactt gggaggccga ggcaggagaa tcgctggaac ccaggaggcg      300
gaggttggtg tgagctgaga ttgtgcaaac accctccaat ctgaattcgt cgacaagctt      360
ctcgagccta ggctagctct agaccacacg tgtggggggc cgagctcgcg gccgctgtat      420
tctatagtgt cacctaaatg gccgcacaat tcactggccg tcgtttttaca acgtcgtgac      480
tgggaaaacc ctggcggttac ccaacttaat cgccttgcag cacatcccccc tttcgccagc      540
tggcgtaata gcgaagaggg ccgcaccgat cgcccttccc      580

```

```

<210> 52
<211> 579
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (469)..(469)
<223> n is a, g, c, or t

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from B-291_m56_SZ (see Figure 3)

```

```

<220>
<221> misc_feature
<222> (490)..(490)
<223> n is a, g, c, or t

```

```

<220>
<221> misc_feature
<222> (508)..(508)
<223> n is a, g, c, or t

```

```

<220>
<221> misc_feature
<222> (538)..(538)
<223> n is a, g, c, or t

```

<220>  
 <221> misc\_feature  
 <222> (550)..(550)  
 <223> n is a, g, c, or t

<220>  
 <221> misc\_feature  
 <222> (552)..(552)  
 <223> n is a, g, c, or t

<220>  
 <221> misc\_feature  
 <222> (557)..(557)  
 <223> n is a, g, c, or t

<400> 52  
 tgacccatgat tacgccaagc tctaatacga ctactatag ggaaagctcg gtaccacgca 60  
 tgctgcagac gcgttacgta tcggatccag aattcgtgat tggagggtgt ttgcacaatc 120  
 tcagctcacc gaaacctccg cctcacaggt tcaagtgatt cctctgcctc agccttcaga 180  
 gtagctagga tgacaagcat ttgccatgat acctggctaa ttttgtatct ttagtagaga 240  
 ccaggattct tcatgttgat aagggtggcc ttgaactcct gacctcagat gatccatctg 300  
 atttggcctc ccaaactgct gggagtacag gcaatctgaa ttctctgaca agcttctcga 360  
 gcctaggcta gctctagacc acaccgtgtg ggggcccagag ctgcgcggccg ctgtattcta 420  
 tagtgtcacc taaatggccg cacaattcac tggccgtcgt ttacaacnt cgtgactggg 480  
 aaaaccctgn cgttacccca cttaatcncc ctgcagcac atcccccttt cgcccagnct 540  
 gggcgtaatn ancgaaanagg cccgcacccg atcgcccct 579

<210> 53  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-292\_m56\_SZ (see Figure 3)

<400> 53  
 acgtcacgct ctaatacgcac tcactatagg gaaagctcgg taccacgcat gctgcagacg 60  
 cgttacgtat cggatccaga attcgtgatt gcctgtactc ccagcagttt gggaggggcaa 120  
 atcagatgga tcatctgagg tcaggagtgc aagaaccacc ttatcaacat gaagaatcct 180

```

ggctcttact aaaaatacaa aattagccag gtatcatggc aaatgcttgt catcctagct      240
actcagaagg ctgaggcaga ggaatcactt gaacctgtga ggcggagggtt tcggtgagct      300
gagattgtgc aaacaccctc caatctgaat tcgtcgacaa gcttctcgag cctaggctag      360
ctctagacca cacgttgtgg gggcccgagc tcgcggccgc tgtattctat agtgtcacct      420
aaatgggcgc acaattcact ggccgtcgtt ttacaacggt cgtgactggg aaaaccctgg      480
cgttacccaa cttaatcgcc tttgcagcac atccccctt tcgcccagct      530

```

```

<210> 54
<211> 600
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from E-293_m56_SZ (see Figure 3)

```

```

<400> 54
tatgaccatg attacgcaa gctctaatac gactcactat agggaaagct cggtaccacg      60
catgcttgca gacgcgttac gtatcggatc cagaattcgt gattggaggg tgtttgcaca      120
atctcagctc accgaaacct ccgcctcaca ggttcaagtg attcctctgc ctcagccttc      180
tgagtagcta ggatgacaag catttgccat gatacctggc taattttgta tttttagtag      240
agaccaggat tcttcatggt gataagggtg ttcttgaact cctgacctca gatgatccat      300
ctgatttggc ctcccaaact gctgggagta caggcaatct gaattcgtcg acaagcttct      360
cgagcctagg ctagctctag accacacgtg tgggggcccg agctcgcggc cgctgtattc      420
tatagtgtca cctaaatggc cgcacaattc actgggcccgt cgttttacaa cgtcgtgact      480
gggaaaaccc tggcgttacc caacttaatc gccttgcagc acatccccct ttcgccagct      540
ggcgtaatag cgaagaggcc gcaccgatac gcccttccca acagttgcgc agcctgaatg      600

```

```

<210> 55
<211> 580
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from E-294_m740_SZ (see Figure 3)

```

```

<400> 55

```



```

ttacgccacg ctctaatacg actcactata gggaaagctc ggtaccacgc atgctgcaga      60
cgcgttacgt atcggatcca gaattcgtcg attggagggt gtttgacaaa tctcagctca      120
ccgaaacctc cgcctcacag gttcaagtga ttcctctgcc tcagccttct gagtagctag      180
gatgacaagc atttgccatg atacctgggt aattttgtat ttttagtaga gaccaggatt      240
cttcatgttg ataagggtgt tcttgaactc ctgacctcag atgatccatc tgatttggcc      300
tcccaaactg ctgggagtag aggcaatctg aattcgtcga caagcttctc gagcctaggg      360
tagctctaga ccacacgtgt gggggcccg gctcgcggcc gctgtattct atagtgtcac      420
ctaaatggcc gcacaattca ctggccgtcg ttttacaacg tcgtgactgg gaaaaccctg      480
gcggtaccca acttaatcgc cttgcagcac atcccccttt cgccagctgg cgtaatagcg      540
aagaggcccg caccgatcgc ccttcccaac agttgcgcag      580

```

<210> 56  
 <211> 600  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-295\_m740\_SZ (see Figure 3)

```

<400> 56
tatgaccatg attacgcaa gctctaatac gactcactat agggaaagct cggtaccacg      60
catgcttgca gacgcgttac gtatcggatc cagaattcgt gattggagggt tgtttgacaa      120
atctcagctc accgaaacct cgcctcaca ggttcaagtg attcctctgc ctcagccttc      180
tgagtagcta ggatgacaag catttgccat gatacctggc taattttgta ttttagtag      240
agaccaggat tcttcatgtt gataagggtg ttcttgaact cctgacctca gatgatccat      300
ctgatttggc ctcccaaact gctgggagta caggcaatct gaattcgtcg acaagcttct      360
cgagcctagg ctagtcttag accacacgtg tgggggcccg agctcgcggc cgctgtattc      420
tatagtgtca cctaaatggg ccgcacaatt cactgggccc tcgttttaca acgtcgtgac      480
tgggaaaacc ctggcggttac ccaacttaat cgccttgtag cacatcccc tttcgccagc      540
tggcgtaata gcgaagaggc ccgcaccgat cgcccttccc aacagtttgc gcagcctgaa      600

```

<210> 57  
 <211> 520  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from E-296\_m57\_Ctrl (see Figure 3)

<400> 57

```

caagctctaa tacgactcac tatagggaaa gtcggtacc acgcatgctg cagacgcgtt      60
acgtatcgga tccagaattc gtgattggag ggtgtttgca caatctcagc tcaactgcaac     120
ctctgcctcc tgggttcaat tcattctcct gcctcagcct tccgagtagc tgggattaca     180
ggcatgcccg gctaattttt gtatttttag cagagatcgg ggttttgcca tgttgcccag     240
gctgggtctcg aactcctaac cttgtgatct gccacacctg gcctcccaa ctgctggggag     300
tacaggcaat ctgaattcgt cgacaagctt ctcgagccta ggctagctct agaccacacg     360
tgtggggggcc cgagctcgcg gccgctgtat tctatagtgt cacctaaatg ggccgcacaa     420
ttcactgggc ccgctgtttt acaacgctgt gactgggaaa accctgggcg ttacccaact     480
taatcgccct tgcagcacat ccccttttcg ccagcttggc                          520

```

<210> 58

<211> 610

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from E-297\_m740\_SZ (see Figure 3)

<400> 58

```

tatgaccatc attacgcaa gctctaatac gactcactat agggaaagct cggtagcacg      60
catgctgcag acgcgttacg tatcggatcc agaattcgtg attggagggg gtttgcacaa     120
tctcagctca ccgaaacctc cgcctcacag gttcaagtga ttccctctgcc tcagccttct     180
gagtagctag gatgacaagc atttgccatg atacctggct aattttgtat ttttagtaga     240
gaccaggatt cttcatgttg ataaggtggg tcttgaactc ctgacctcag atgatccatc     300
tgatttggcc tcccaaactg ctgggagtac aggcaatctg aattcgtcga caagcttctc     360
gagcctaggc tagctctaga ccacacgtgt gggggcccga gctcggggcc gctgtattct     420
atagtgtcac ctaaattggc gcacaattca ctggccgtcg ttttacaacg tcgtgactgg     480
gaaaaccctg gcgttaccca acttaatcgc cttgcagcac atcccccttt cgccagctgg     540

```

cgtaatagcg aagaggccgc accgatcgcc cttcccaaca gttgcgcagc ctgaatggcg 600  
aatggaaatt 610

<210> 59  
<211> 499  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Alu sequence cloned from E-298\_m57\_Ctrl (see Figure 3)

<400> 59  
gtcccgatct aatacgactc actatagga aagctcggtta ccacgcatgc tgcagacgcg 60  
ttacgtatcg gatccagaat tcgtgattgg aggggtgtttg cacaatctca gctcaccgaa 120  
acctccgcct cacagggttca agtgattcct ctgcctcagc cttctgagta gctaggatga 180  
caagcatttg ccatgatacc tggctaattt tgtattttta gtagagacca ggattcttca 240  
tcgttgataa ggtgggttctt gaactcctga cctcagatga tccatctgat ttggcctccc 300  
aaactgctgg gagtacaggc aatctgaatt cgtcgacaag cttctcgagc ctaggctagc 360  
tctagaccac acgtgtgggg gcccgagctc ggggccgctg tattctatag tgtcacccta 420  
aatggccgca caattcactg ggcgctcgtt ttacaacgctc gtgactggga aaacctggg 480  
cgttacccca acttaatcg 499

<210> 60  
<211> 383  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (368)..(368)  
<223> n is a, g, c, or t

<220>  
<221> misc\_feature  
<223> Alu sequence cloned from E-299\_m57\_Ctrl (see Figure 3)

<400> 60  
gtcaagatcg aataggactc actatagga aagctcggtta ccacgcatgc tgccgacgcg 60  
ttacgtatcg gatccagaat tcgtgattgc ctgtactccc agcactttgg gagggcaaatt 120

```

cagatggatc atctgaggtc aggagttcaa gaaccatcct tatcaacatg aagaatcctg      180
gtctctacta aaaatacaac attagccagg tatcatggca aatgcttgct atcctagcta      240
ctcacaaggc tgaggcagag gaatcacttg aacctgtgag gcgcaggttt cggtagagctg      300
agattgtgca aacaccctcc aatctgaatt cgtcgacaag ctctctcgag cctaggctag      360
ctttaganca cacgtgtggg ggc                                              383

```

```

<210> 61
<211> 360
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from E-300_m57_Ctrl (see Figure 3)

```

```

<400> 61
gttgaaacgg caagatctaa tacgactcac tatagggaaa gctcggcact acgcatgctg      60
cagacgtgtt gacgtatcgg atccagaatt cgtgattgga gggcgtttgc gcaatcttga      120
ctaactgcaa catctgcctc ccaggctcaa gcaattctgc ctgagttttc tgagcagctg      180
ggattacaga tgagcactac catgacaggc taatttttat atttttacta gaggcgggga      240
ttcaccatgt cggccagggt ggtcatgaac tcctgacctc aggcgattca cctgcctccg      300
cctcccaaac tgctgggagt acaggcaatc tgaattcgtc gacaagcttc tcgagcctag      360

```

```

<210> 62
<211> 526
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from E-304_m57_Ctrl (see Figure 3)

```

```

<400> 62
ctacgtacgc tctaatacga ctactatag ggaaagctcg gtaccacgca tgctgcagac      60
gcgttacgta tcggatccag aattcgtgat tggagggtgt ttgcacaatc tcagctcacc      120
gaaacctccg cctcacaggc tcaagtgatt cctctgcctc agccttctga gtagctagga      180
tgacaagcat ttgccatgat acctggctaa ttttgtatct ttagtagaga ccaggattct      240
tcatgttgat aaggcgggtc ttgaactcct gacctcagat gatccatctg atttggcctc      300

```

```

ccaaactgct gggagtacag gcaatctgaa ttcgtcgaca agcttctcga gcctaggcta      360
gctctagacc acacgtgtgg gggcccgagc tcgcggccgc tgtattctat agtgtcacct      420
aaatggcccg cacaattcac tggccgctcg tttacaacgt cgtgactggg aaaaccctgg      480
cgttacccaa cttaatcgcc ttgcagcaca tcccccttcc gccagc                      526

```

```

<210> 63
<211> 460
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from E-305_m740_SZ (see Figure 3)

```

```

<400> 63
ttacgcgaag ctctaatacg actcactata gggaaagctc ggtaccacgc atgctgcaga      60
cgcgttacgt atcggatcca gaattcgca ttggaggggtg tttgcacaat ctcagctcac      120
cgaaacctcc gcctcacagg ttcaagtgat tcctctgcct cagccttctg agtagctagg      180
atgacaagca tttgccatga tacctggcta attttgtatt tttagtagag accaggattc      240
ttcatgttga taagggtggtt cttgaactcc tgacctcaga tgatccatct gatttggcct      300
cccaaactgc tgggagtaca ggcaatctga attcgtcgac aagcttctcc gagcctaggc      360
tagctctaga ccacacgtgt gggggccgag ctgcggcccg ctgtattcta tagtgtcacc      420
taaatggccg cacaattcac tggccgctcg ttttacaacg                          460

```

```

<210> 64
<211> 452
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from E-308_m74_SZ (see Figure 3)

```

```

<400> 64
ttacgtcaag ctctaatacg actcactata gggaaagctc ggtaccacgc atgctgcaga      60
cgcgttacgt atcggatcca gaattcgtga ttggaggggtg tttgcacaat ctcagctcac      120
cgaaatctcc gcctcacagg ttcaagtgat tcctctgcct cagccttctg agtagctagg      180
atgacaagca tttgccatga tacctggcta attttgtatt tttagtagag accaggattc      240

```

ttcatgttga taaggtgggt cttgaactcc tgacctcaga tgatccatct gatttggcct 300  
 cccaaactgc tgggagtaca ggcaatctga attcgtcgac aagcttctcg agcctaggct 360  
 agctctagac cacacgtgtg ggggcccagag ctgcggccg ctgtattcta tagtgtcacc 420  
 taaatggccg cacaattcac tggccgtcgt tt 452

<210> 65  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-309\_m74\_SZ (see Figure 3)

<400> 65  
 aggcaagatc taatacgact cactataggg aaacgctcgg taccacgcat gctgcagacg 60  
 cgttacgtat cggatccaga attcgtgatt gcctgtactc ccacgcagtt tgggaggcca 120  
 aatcagatgg atcatctgag gtcaggagtt caagaaccac cttatcaaca tgaagaatcc 180  
 tgggtctctac taaaaataca acattagcca ggtatcatgg caaatgcttg tcctcctagc 240  
 tactcagaag gctgaggcag aggaatcact tgaacctgtg aggcggaggt ttccggtgagc 300  
 tgagattgcg caaacaccct ccaatctgaa ttctctgac aagcttctcg agcctaggct 360  
 agctctagac cccacgtgtg ggggcccagag ctgcggccg ctgtatttct atagtcgtc 419

<210> 66  
 <211> 500  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-310\_m74\_SZ (see Figure 3)

<400> 66  
 ttacgtcacc gctctaatac gactcactat agggaaagct cgggtaccacg catgctgcag 60  
 acgcgttacg tatcggatcc agaattcgtg attggagggt gtttgcacaa tctcagctca 120  
 ctgcaacctc tgctctcag gttcaagtga ttctctgccc tcctcctccc cagtagctgg 180  
 gtttacaggc atgcaccacc acagctggct aatttttgta ttttttagtag agatgggggt 240  
 tcaccatggt ggacaggcta gtcttgaact cctgacctca agtgatccac ccgcctcagc 300

```

ctctcaaact gctgggagta caggcaatct gaattcgctcg acaagcttct cgagcctagg      360
ctagctctag accacacgtg tgggggccccg agctcgcggc cgctgtattc tatagtgtca      420
cctaaatggg ccgcacaatt cactggccgt ccgttttaca acgtccgtga ctgggaaaac      480
cctggcggtta cccaacttaa                                                    500

```

```

<210> 67
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-311_m74_SZ (see Figure 3)

```

```

<400> 67
aaacgccaaag ctctaatacg actcactata gggaaagctc ggtaccacgc atgctgcaga      60
cgcgttacgt atcggatcca gaattcgtga ttgcctgtac tcccagcagt ttgggaggcc      120
gaggtgggtg gatcacctga ggctgagagt tcgagaccag cctagccaac atggtgaaac      180
cctgtctcta ctaaaaatac aaaaatttagc caggcaaggc agcacacgcc tgtaattcca      240
cctactcggg atgctgaggc atgagaatcg cttgaacctg ggaggtggag cttgcagtga      300
actgagattg tgcaaacacc ctcaatctga attcgctgac aagcttctcg agcctaggct      360
agctctagac cacacgtgtg gggggcccgag ctgcgccggc gctgtattct attagtgtca      420
cctaaatggg ccgcacaatt cactggccgt ccgttttaca acgtcgtgac tgggaaaacc      480

```

```

<210> 68
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Alu sequence cloned from E-312_m74_SZ (see Figure 3)

```

```

<400> 68
cgaatacgcac tactatacgg aaagctcggg accacgcacg ctgcacacgc gttacgcacg      60
ggatccagaa ttcgtgattg cctgtactcc cagcagtttg ggagggcaaa tcagatggat      120
catctgaggt caggagttca agaaccacct tatcaacatg aagaatcctg gtctctacta      180
aaaatacaaaa attagccagg tatcatcggc aaatgcttcg tcatcctagc tactcagaag      240

```

gctgaggcag aggagtcact tgaacctgtg aggcggagga aacggcgaga tgagattgtg 300  
 caaacaccct ccaatttgaa attcgtcgac aagcttctcc gagctctagg ctagctctag 360  
 acccacacgt gtggggggccc cgagctcgcg 390

<210> 69  
 <211> 547  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-313\_m74\_SZ (see Figure 3)

<400> 69  
 tatgacatga ttacgccaag ctctaatacg actcactata gggaaagctc ggtaccacgc 60  
 atgctgcaga cgcgttacgt atcggatcca gaattcgtga ttgcctgtac tcccagcagt 120  
 ttgggaggct gagacagggtg gaacacttga ggccaggagt ttgcaaccag cctggccaac 180  
 atggtgaaac cctatctcta ccacaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaattagc 240  
 ctggcatggt ggtgcgtgcc tgtaatccca gctactcagg aggctgaggc acgagaatcg 300  
 cttgaacccg gtgggcaagg gttgcagcga tccgagattg tgcaaacacc ctccaatctg 360  
 aattcgtcga caagcttctc gagcctaggc tagctctaga ccacacgtgt gggggcccgga 420  
 gctcgcggcc gctgtattct atagtgtcac ctaaattggc gcacaattca ctggccgtcg 480  
 ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca acttaatcgc cttgcagcac 540  
 atcccc 547

<210> 70  
 <211> 579  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-315\_m74\_SZ (see Figure 3)

<400> 70  
 tgattacgcc aagctctaata acgactcact atagggaaag ctcggtacca cgcattgctgc 60  
 agacgcgtta cgtatcggat ccagaattcg tgattggagg gtgtttgcac aatctcggct 120  
 cactgcaact tctgcctcct gggttcacac tgttctcctg cctaagcctc ccaagtagct 180



```

gggactacag gcgcgtgcc ccatgcccgg ctaatTTTTT gtatTTTtag tagagaaggg      240
gtttcaccgt gttagccagg atggtctoga tctcctgata ttgtgatcca cccgcctcgg      300
cctctcaaac tgctgggagt acaggcaatc tgaattcgtc gacaagcttc tcgagcctag      360
gctagctcta gaccacacgt gtggggggccc gagctcgcgg ccgctgtatt ctatagtgtc      420
acctaaatgg ccgcacaatt cactggccgt cgTTTTTaaa cgctcgtgact gggaaaaccc      480
tggcgttacc caacttaatc gccttgacgc acatccccct ttcgccagct ggcgtaatag      540
cgaagaggcc gcaccgatcg cccttcccaa cagttgcgc                                579

```

<210> 71  
 <211> 563  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-314\_m74\_SZ (see Figure 3)

```

<400> 71
attacgcaa gctctaatac gactcactat agggaaagct cggtagcacg catgctgcag      60
acgcgttacg tatcggtacc agaattcgtg attggagggg gtttgcacaa tctcgggtca      120
ctgcaacttc tgctcctcgg gttcacactg ttctcctgcc taagcctccc aagtagctgg      180
gactacaggc gcgtgccacc atgccgggct aatTTTTTgt atTTTtagta gagaaggggt      240
ttcacctgtg tagccaggat ggtctcgcgc tcctgatatt gtgatccacc cgcctcggcc      300
tctcaaactg ctgggagtag aggcaatctg aattcgtcga caagcttctc gagcctaggg      360
tagctctaga ccacacgtgt gggggcccga gctcgcggcc gctgtattct atagtgtcac      420
ctaaatggcc gcacaattca ctggccgtcg ttttacaacg tcgtgactgg gaaaaccctg      480
gcggttaccga acttaatcgc cttgcagcac atcccccttt cgccagctgg cgtaatagcg      540
aagaggccgc accgatcgcc ctt                                563

```

<210> 72  
 <211> 573  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-319\_m74\_SZ (see Figure 3)

```

<400> 72
tatgaccatg attacgcaa gctctaatac cgactcacta tagggaaacg ctcggtacca      60
cgcatgctgc agacgcgtta cgtatcggat ccagaattcg tgattgcctg tactcccagc      120
agtttgggag gccgaggtgg gtggatcacc tgaggtcagg agttcgagac cagcctggcc      180
aacgtagtga aaaccccatc tctactaaaa atacaaaaaa acttagccag gggtggtggt      240
gggcacctat aatcccagct acttaggagg ctgaggctgg agaatcgttt gaacctggga      300
gggagagggt gcagtgagct gagattgtgc aaacaccctc caatctgaat tcgtcgacaa      360
gcttctcgag cctaggctag ctctagacca cacgtgtggg ggcccagagct cgcggccgct      420
gtattctata gtgtcaccta aatggccgca caattcactg ggccgctcgtt ttacaacgtc      480
gtgactggga aaacctgggc gttacccaac ttaatcgctt tgcagcacat ccccttttcg      540
ccagctggcg taataacgaa gaggccgcac cga                                  573

```

```

<210> 73
<211> 650
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from E-320_m74_SZ (see Figure 3)

```

```

<400> 73
atgattacgc caagctctaa tacgactcac tatagggaaa gctcgggtacc acgcatgctg      60
cagacgcgtt acgtatcgga tctgaattcg tcgacaagct tctcgagcct aggetagctc      120
tagaccacac gtgtgggggc ccgagctcgc ggccgctgta ttctatagtg tcacctaaat      180
ggccgcacaa ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac cctggcggtta      240
cccaacttaa tcgccttgca gcacatcccc ctttcgccag ctggcgtaat agcgaagagg      300
cccgcacoga tcgcccttcc caacagttgc gcagcctgaa tggcgaatgg aaattgtaag      360
cgттаататт ttgttaaaat tcgcgttaaa tttttgttaa atcagctcat tttttaacca      420
ataggccgaa atcggcaaaa tcccttataa atcaaaaagaa tagaccgaga tagggttgag      480
tgttgttcca gtttgaaca agagtccact attaaagaac gtggactcca acgtcaaagg      540
gcgaaaaacc gtctatcagg gcgatggccc actacgtgaa ccatcacctt aatcaagttt      600
tttggggtcg aggtgccgta aagcactaaa tcggaaccct aaagggagcc              650

```

<210> 74  
 <211> 600  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-321\_m74\_SZ (see Figure 3)

<400> 74  
 tatgaccatg attacgcaa gctctaatac gactcactat agggaaagct cgggtaccacg 60  
 catgctgcag acgcgttacg tatcggatcc agaattcgtg attggagggt gtttgcacaa 120  
 tctcggctca ctgcaacttc tgcctcctgg gttcacactg ttctcctgcc taagcctccc 180  
 aagtagctgg gactacaggc gcgtgccacc atgcccggt aattttttgt atttttagta 240  
 gagaaggggt ttcaccgtgt tagccaggat ggtctcgatc tcctgatatt gtgatccacc 300  
 cgcctcggcc tctcaaactg ctgggagtag aggcaatctg aattcgtcga caagcttctc 360  
 gagcctaggc tagctctaga ccacacgtgt gggggccoga gctcgcggcc gctgtattct 420  
 atagtgtcac ctaaattggc gcacaattca ctgggcccgc gttttacaac gtcgtgactg 480  
 ggaaaaccct ggcgttacc aacttaatcg ccttgcagca catccccctt tcgccagctg 540  
 gcgtaatagc gaagaggccc gcacccgatc gcccttccca acagttgcgc agcctgaatg 600

<210> 75  
 <211> 600  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-322\_m74\_SZ (see Figure 3)

<400> 75  
 acgtacgctc taatacgact cactataggg aaagctcggg accacgcatg ctgcagacgc 60  
 gttacgtatc ggatccagaa ttcgtgattg gaggggtgtt gcacaatctt ggctcactgt 120  
 aacctctgcc tcctgggttc aagtaattct cctgtctcag cctcctgagt agctaggatt 180  
 actggtgccc gccaccatgc ccggcgaatt tttgtatttt tagtagagat ggggtttcac 240  
 tatgttgccc aggggtgtct caaactcctg acctcaagt atccacctgc ttcagcttcc 300  
 caaactgctg ggagtacagg caatctgaat tcgtcgacaa gcttctcgag cctaggctag 360  
 ctctagacca cacgtgtggg ggcccagact cgcggccgct gtattctata gtgtcaccta 420

aatggccgca caattcactg gccgtcggtt tacaacgtcg tgactgggaa aaccctggcg 480  
 ttacccaact taatcgcttg cagcacatcc cccctttcgc cagctggcgt aatagcgaag 540  
 aggcccgcac ccgatcgccc cttcccaaca gttgcgcagc ctgaatggcg aatggaaatt 600

<210> 76  
 <211> 407  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-323\_m74\_SZ (see Figure 3)

<400> 76  
 aaacgcaagc tctaatacga ctactatag ggaaagttcg gtaccacgca tgctgcagac 60  
 gcgttacgta tcggatccag aattcgtgat tgctgtact ccagcacgt ttgggaagcc 120  
 gaggtgggaa gatcgcttcg aggtcaggag ttcaagacca gcctggccaa catggcaaaa 180  
 cctcgtctct actaaaaata caaaacttag ccaggccgtg ttggcatcgc acccatagtc 240  
 cctgctaatac aggaggctga ggcttgaaca tgggaggtgg aggctgcagt gagctgagat 300  
 tgtgcaaaca ccctccaatc tgaattcgtc gacaagcttc tcgagcctag gctagctcta 360  
 gaccacacgt gtggggggccc gagctcgccg ccgctgtatt ctatagt 407

<210> 77  
 <211> 600  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-324\_m74\_SZ (see Figure 3)

<400> 77  
 gttaagatct aatacgactc actatagggg aagctcggtg ccacgcatgc tgcagacgcg 60  
 ttacgtatcg gatccagaat tcgtgattgg aggggtgttg cacaatctca gctcactgca 120  
 acctccacct ctacgactca agtgattatc ccacctcaac ctcccaagta gcagggactg 180  
 aaggtgtgct ttgccacgcc cagctaattt tttgtatttt ttgtagagac ggattttcac 240  
 catgtagccc aggctgggtc caaactcctg agcttaagcg atccaccttc ctggacctcc 300  
 caaactgctg ggagtacagg caatctgaat tcgtcgacaa gcttctcgag cctaggctag 360

```

ctctagacca cacgtgtggg ggcccagagct cgcggccgct gtattctata gtgtcaccta      420
aatggggccgc acaattcact ggccgtcgtt ttacaacgtc gtgactggga aaaccctggc      480
gttaccacaac ttaatcgctt tgcagcacat ccccttttcg ccagctggcg taatagcgaa      540
gaggccgcac cgatcgccct tcccacagtt ggcagagctg aatggcgaat ggaaatttaa      600

```

<210> 78  
 <211> 501  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-325\_m74\_SZ (see Figure 3)

```

<400> 78
cagctatgac catgattacg ccaagctcta atacgactca ctatagggaa agctcggtac      60
cacgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgatttgc cttgtactcc      120
cagcagtttg ggaggctgag gcagggtgaat cacctgaggt caggagttca tgaccagcct      180
ggccaacatg gtgaaacccc gcctctacta aaaatataaa aattagcctg tcatggtagt      240
gctcatctgt aatcccagct gctcaggaag ctgaggcaga atttgcttga acctgggagg      300
cagatgttgc agttagtcaa gattgtgcaa acaccctcca atctgaattc gtcgacaagc      360
ttctcgagcc taggctagct ctagaccaca cgtgtggggg cccgagctcg cggccgctgt      420
attctatagt gtcacctaaa tggccgcaca attcactggc cgtcgtttta caacgtcgtg      480
actgggaaaa cctggcggtta c                                          501

```

<210> 79  
 <211> 600  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-149\_m48\_SZ (see Figure 3)

```

<400> 79
acgcttccaa ggattcaaca agctctaata cgactcacta tagggaaagc tcggtaccac      60
gcatgctgca gacgcgttac gtatcggatc cagaattcgt gattaggggtg tttgcacaat      120
ctcggtcat tgtaacctct gcctcccagg ttgcagtgat tctcctgtct cagcctccca      180

```

```

agtagctggc attacagggtt cccaccacta caccacaacta atttttgtat ttttagcaga      240
aatgggggttt ccccatgttg acctggctgg tctcgaactc ctgaccttgt gatctgcccg      300
ccttggcctc ccaaactgct gggagtagag gcaatctgaa ttcgtcgaca agcttctcga      360
gcctaggcta gctctagacc acacgtgtgg gggcccgagc tcgcgccgc tgtattctat      420
agtgtcacct aaatggccgc acaattcact ggccgtcggt ttacaacgtc gtgactggga      480
aaaccctggc gttacccaac ttaatgcct tgcagacat ccccttctcg ccagctggcg      540
taatagcgaa gagggccgca ccatcgccc ttccaacag ttgcgcagcc tgaatggcga      600

```

<210> 80  
 <211> 480  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-302\_m57\_Ctrl (see Figure 3)

```

<400> 80
gattacgcca agctctaata ctactcacta tagggaaagc tcggtaccac gcatgctgca      60
gacgcgttac gtatcggatc cagaattcgt gattggaggg tgtttgcaca atctcagctc      120
accgaaacct ccgcctcaca ggttcaagtg attcctctgc ctcagccttc tgagtagcta      180
ggacgacaag catttgccat gatacctggc taattttgta ttttagtag agaccaggat      240
tcttcatgtt gataaggtgg ttcttgaact cctgacctca gatgatccac ctgatttggc      300
ctcccaaact gctgggagta caggcaatct gaattcgtcg acaagcttct cgagcctagg      360
ctagctctag accacacgtg tgggggcccg agctcgccgc cgctgtattc tatagtgtca      420
cctaaatggc cgcacaattc actggccgtc gttttacaac gtcgtgactg ggaaaacctg      480

```

<210> 81  
 <211> 610  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-119m57Ctrl (see Figure 3)

```

<400> 81
cagctatgac catgattacg ccaagctcta atacgactca ctatagggaa agctcggtag      60

```

```

cacgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgattgcc tgtactccca      120
gcagtttggg aggcagaggc aggtggatca cctgaggtcg ggagttcgag aaccgcctga      180
ccaacatgga gaaaccccggt ctctgctaaa aatacaaaat tagetaggta tgggtggtact      240
tgcccgtaat cccagctatt cagaaggctg aggcaggaga gtcacttgaa cccaggagtc      300
agaggttgca gtcagctgag attgtgcaaa caccctccaa tctgaattcg tcgacaagct      360
tctcagacct aggctagctc tagaccacac gtgtgggggc ccgagctcgc ggccgctgta      420
ttctatagtg tcacctaaat ggccgcacaa ttcactggcc gtcgttttac aacgtcgtga      480
ctgggaaaac cctggcggtta cccaacttaa tcgccttgca gcacatcccc ctttcgccag      540
ctggcgtaat agcgaagagg cccgcaccga tcgcccttcc caacagttgc gcagcctgaa      600
tggcgaatgg                                     610

```

<210> 82  
 <211> 470  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-120m57Ctrl (see Figure 3)

```

<400> 82
aatagctatg cccatgatta cgccaagctc taatacgact cactataggg tatgctcgga      60
gctaggcatg ctgcagacgc gttacgcatt acgatccaga atccagagat tggagggtggc      120
tggcgtaata tcggtttagt gggacctgtg cctccggggt ccaggtggtg ctagtgtttg      180
aacctcctga gcatcattgg ataacagtag cctctcacca tgctcatctt gtgcttgtat      240
tgggtggcagc ggtccaccat gccgggttatg ctgaactcgg actcatcacc ttaaattaac      300
cacctgcctc agactccgaa actgctggta gtacaggcaa tctgcattcg tctgcattct      360
tctacagcct aggctagcta tagaccacac ttgaccacgg ccgagctcc cggccgcttg      420
gattctatag tgtcatataa aggcccgaac aattcactgc accgtagttt      470

```

<210> 83  
 <211> 620  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<223> Alu sequence cloned from E-166m50Ctrl (see Figure 3)

<400> 83  
 aacagctatg accatgatta cgccaagctc taatacgact cactataggg aaagctcggg 60  
 accacgcatg ctgcagacgc gttacgtatc ggatccagaa ttcgtgattg gaggggtgtt 120  
 gcacaatctc ggcccactgc aacctccgcc tcccgggtgc aagcagttct cctacctcag 180  
 cctcctgagt agctaggatt acaggcacac ctggctaatt ttgtgggttt agtagagacg 240  
 gcgtttcacc atgttggtta ggctgggtct gaactcctca cctcaaata tccacctgcc 300  
 tcagcctccc aaactgctgg gagtacaggc aatctgaatt cgtcgacaag cttctcgagc 360  
 ctaggctagc tctagaccac acgtgtgggg gcccgagctc gcggccgctg tattctatag 420  
 tgtcacctaa atggccgcac aattcactgg ccgtcggttt acaacgtcgt gactgggaaa 480  
 accctggcgt taccgaactt aatcgcttg cagcacatcc ccctttcgcc agctggcgta 540  
 atagcgaaga ggcccgcacc gatcgcttc ccaacagttg cgcagcctga atggcgaatg 600  
 gaaattgtaa gccgttaata 620

<210> 84  
 <211> 600  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-167m50Ctrl (see Figure 3)

<400> 84  
 actttatgac atgattacgc caagctctaa tacgactcac tatagggaaa gctcgggtacc 60  
 acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattggag ggtgtttgca 120  
 caatctcagc tcaccgaaac ctccgctca caggttcaag tgattcctct gcctcagcct 180  
 tctgagtagc taggatgaca agcatttgcc atgatacctg gctaattttg tatttttagt 240  
 agagaccagg attcttcatg ttgataagggt gggtcttgaa ctctgacct cagatgatcc 300  
 atctgatttg gcctccaaa ctgctgggag tacaggcaat ctgaattcgt cgacaagctt 360  
 ctcgagccta ggctagctct agaccacacg tgtggggggc cgagctcgcg gccgctgtat 420  
 tctatagtgt cacctaaatg gccgcacaat tcaactggcg tcgttttaca acgtcgtgac 480  
 tgggaaaacc ctggcggttac ccaacttaat cgccttgag cacatcccc ttctgccagc 540



tggcgtaata gcgaagaggc ccgcaccgat cgccttccca acagttgcgc agcctgaatg 600

<210> 85  
 <211> 480  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-169m50Ctrl (see Figure 3)

<400> 85  
 aagcttgacc atgattacgc caagctctaa tacgactcac tatagggaaa gctcgggtacc 60  
 acgcatgctg cagacgcggt acgtatcgga tccagaattc gtgattgcct gtactcccag 120  
 cagtttggga ggctgaagtg gggtgattac ccgaggtcag gagttccaga ccaggttgac 180  
 caacatggag aaaccctgtc tctactaaaa atacataatt agccaggtgt attggagcgt 240  
 gcctgtattc ccagctactt gggaggccga ggcaggagaa tctgctggaa cccacgatgg 300  
 cggaggttgt ggagagctga gattgtgcaa acaccctcca atctgaattc gtctacaagc 360  
 ttctcgagcc taggttagct ctagaccaca cgtgtggggg cccgagctcg cggacgctgt 420  
 attctatagt gtcacctaaa tggccgcaca attcactggc cgacgtttta caacgtggtg 480

<210> 86  
 <211> 610  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-270m50Ctrl (see Figure 3)

<400> 86  
 ctactatag ggaaagctcg gtaccacgca tgctgcagac gcgttacgta tcggatccag 60  
 aattcgtgat tgctgtact ccagcagtt tgggaggcca aatcagatgg atcatctgag 120  
 gtcaggagtt caagaaccac cttatcaaca tgaagaatcc tggctcttac taaaaatata 180  
 aaattagcca ggtatcatgg caaatgcttg tcatcctagc tactcagaag gctgaggcag 240  
 aggaatcact tgaacctgtg aggcggaggt ttcggtgagc tgagattgtg caaacaccct 300  
 ccaatctgaa ttcgtcgaca agcttctcga gcctaggcta gctctagacc acacgtgtgg 360  
 gggcccgagc tcgcgggccgc tgtattctat agtgtcacct aaatggccgc acaattcact 420

```

ggccgctcgtt ttacaacgtc gtgactggga aaaccctggc gttacccaac ttaatcgctt      480
tgcagcacat ccccttttcg ccagctggcg taatagcgaa gaggcccgca ccgatcgccc      540
ttccaacag ttgcgcagcc tgaatggcga atggaaattg taagcgtaa tattttgtta      600
aaattcgctt                                     610

```

```

<210> 87
<211> 601
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from E-271m50Ctrl (see Figure 3)

```

```

<400> 87
ttgcccatgc ttacgccaag ctctaatacg actcactata gggaaagctc ggtaccacgc      60
atgctgcaga cgcgttacgt atcggatcca gaattcgtga ttggaggggtg tttgcacaat      120
ctcagctcac catgacctct gcctcctggg ttcaagcgat tctctggact cagcctcctg      180
agtagctgga attacaggga ttcgccacca tgcccagcta attttgtatg tttagtagag      240
acagggtttc tccaaattgg tcaggctggg ctogaactcc cgacctcagg tgatccgccc      300
gccttggcct cccaaactgc tgggagtaca ggcaatctga attcgtcgac aagcttctcg      360
agcctaggct agctctagac cacacgtgtg ggggcccag ctcgcgggccg ctgtattcta      420
tagtgtcacc taaatggccg cacaattcac tggccgtcgt tttacaacgt cgtgactggg      480
aaaaccctgg cgttacccaa cttaatcgcc ttgcagcaca tccccctttc gccagctggc      540
gtaatagcga agaggcccg accgatcgcc cttcccaaca gttgcgcagc ctgaatggcg      600
a                                     601

```

```

<210> 88
<211> 601
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from E-272m50Ctrl (see Figure 3)

```

```

<400> 88
caataccgct tgaccatgat tacgccaagc tctaatacga ctactatagg gaaagctcgg      60

```

```

taccacgcat gctgcagacg cgttacgtat cggatccaga attcgtgatt ggaggggtgtt      120
tgcacaatct cagctcactg cagcctcctc cctctgaggt caagtgatac tgctgcctca      180
gcctcctgag tagctgggat tacaggcacc caccaccaac cctggccaat ttttgtattt      240
ttagtagaga cagagtttca ccatgctggc caggctgggc tcaaactcct gccctcagat      300
gttccacca ccttggcctc ccaaactgct gggagtagac gcaatctgaa ttcgtcgaca      360
agcttctoga gcctaggcta gctctagacc acacgtgtgg gggcccgagc tcgcggccgc      420
tgtattctat agtgtcacct aaatggccgc acaattcact ggccgtcggt ttacaacgtc      480
gtgactggga aaaccctggc gttacccaac ttaatcgctt tgcagcacat ccccttttcg      540
ccagctggcg taatagcgaa gagggccgca ccgatcgccc ttccaacagt tgcgcagcct      600
g                                                                           601

```

```

<210> 89
<211> 479
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from E-273m50Ctrl (see Figure 3)

```

```

<400> 89
gctcgggtacc acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattggag      60
gggtgtttgca caatctcagc tcaccgaaac ctccgcctca caggttcaag tgattcctct      120
gcctcagcct tctgagtagc taggatgaca agcatttgcc atgatacctg gctaattttg      180
tatttttagt agagaccagg attctttatg ttgataagggt gggttcttgaa ctcttgacct      240
cagatgatcc atctgatttg gcctcccaaa ctgctggggag tacaggcaat ctgaattcgt      300
cgacaagctt ctcgagccta ggctagctct agaccacacg tgtggggggcc cgagctcgcg      360
gccgctgtat tctatagtgt cacctaaatg gccgcacaat tcaactggccg gcgttttaca      420
acgtcgcgac tgggaaaacc ctggcggttac ccaacttaat cgccttgagc cacatcccc      479

```

```

<210> 90
<211> 600
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<223> Alu sequence cloned from E-275m50Ctrl (see Figure 3)

```

<400> 90
accatgatta cgccaagctc taatacgact cactataggg aaagctcggg accacgcatg      60
ctgcagacgc gttacgtatc ggatccagaa ttcgtgattg gaggggtgtt gcacaatctc      120
agctcaccga aacctccgcc tcacaggttc aagtgattcc tctgcctcag ccttctgagt      180
agctaggatg acaagcattt gccatgatac ctggctaatt ttgtatTTTT agtagagacc      240
aggattcttc atgttgataa ggtgggttctt gaactcctga cctcagatga tccatctgat      300
ttggcctccc aaactgctgg gagtacaggc aatctgaatt cgtcgacaag cttctcgagc      360
ctaggctagc tctagaccac acgtgtgggg gcccgagctc gcggccgctg tattctatag      420
tgtcacctaa atggccgcac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa      480
accctggcgt tacccaactt aatcgcttg cagcacatcc ccctttcgcc agctggcgta      540
atagcgaaga ggccccgcacc gatcgccctt cccaacagtt ggcgcagcctg aatggcgaat      600

```

```

<210> 91
<211> 610
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from E-279m50Ctrl (see Figure 3)

```

```

<400> 91
aagaccatga taacgccaag ctctaatacg actcactata gggaaagctc ggtaccacgc      60
atgctgcaga cgcgttacgt atcggatcca gaattcgtga ttggaggggtg tttgcacaat      120
ctcagctcac tgcagcctcc tccctctgag gtcaagtgat tctgctgcct cagcctcctg      180
agtagctggg attacaggca cccaccacca accctggcca atttttgtat ttttagtaga      240
gacagagttt caccatgctg gccaggctgg tctcaaaactc ctgccctcag atgttccacc      300
caccttggcc tcccaaactg ctgggagtac aggcaatctg aattcgtcga caagcttctc      360
gagcctaggc tagctctaga ccacacgtgt gggggccccga gctcgcggcc gctgtattct      420
atagtgtcac ctaaattggc gcacaattca ctggccgtcg ttttacaacg tcgtgactgg      480
gaaaaccctg gcgttaccca acttaatcgc cttgcagcac atccccctt cgccagctgg      540
cgtaatagcg aagaggcccg caccgatcgc ccttcccaac agttgcgcag cctgaatggc      600

```

610

gaatggaaat

<210> 92  
 <211> 602  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-281m50Ctrl (see Figure 3)

<400> 92  
 aacagctatg accatgatta cgccaagctc taatacgact cactataggg aaagctcggg 60  
 accacgcatg ctgcagacgc gttacgtatc ggatccagaa ttcgtgattg gaggggtgttt 120  
 gcacaatctc agctcaccca aacctccgcc tcacaggttc aagtgattcc tctgcctcag 180  
 ccttctgagt agctaggatg acaagcattt gccatgatac ctggctaatt ttgtattttt 240  
 agtagagacc aggattcttc atgttgataa ggtgggttctt gaactcctga cctcagatga 300  
 tccatctgat ttggcctccc aaactgctgg gagtacaggc aatctgaatt cgtcgacaag 360  
 cttctcgagc ctaggctagc tctagaccac acgtgtgggg gcccagagctc gcggccgctg 420  
 tattctatag tgtcacctaa atggccgcac aattcactgg ccgtcgtttt acaacgtcgt 480  
 gactgggaaa accctggcgt taccacaactt aatcgcttgg cagcacatcc ccctttcgcc 540  
 agctggcgta ataacgaaga ggccccgacc gatcgccctt cccaacagtt gcgcagcctg 600  
 aa 602

<210> 93  
 <211> 601  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-283m56SZ (see Figure 3)

<400> 93  
 aacagctatg accatgatta cgccaagctc taatacgact cactataggg aaagctcggg 60  
 accacgcatg ctgcagacgc gttacgtatc ggatccagaa ttcgtgattg gaggggtgttt 120  
 gcacaatctt ggctcactgt aacctctgcc tcttgggttc aagtaattct cctgtctcag 180  
 cctcctgagt agctaggatt actggtgccc gccacatgc cgggcaaatt tttgtatttt 240

```

tagtagagat ggggtttcac tatgttggcc aggggtgtct caaactcctg acctcaagtg      300
atccacctgc ttcagcttcc caaactgctg ggagtacagg caatctgaat tcgtcgacaa      360
gcttctcgag cctaggctag ctctagacca cacgtgtggg ggcccagagct cgcggccgct      420
gtattctata gtgtcaccta aatggccgca caattcactg gccgtcgttt tacaacgtcg      480
tgactgggaa aaccctggcg ttaccaact taatcgctt gcagcacatc ccccttctgc      540
cagctggcgt aatagcgaag agggccgcac cgatcgctt cccaacagtt gcgcagcctg      600
a                                                                           601

```

```

<210> 94
<211> 620
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from E-284m56SZ (see Figure 3)

```

```

<400> 94
agctatgacc atgattacgc caagctctaa tacgactcac tatagggaaa gtcggtacc      60
acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattggag ggtgtttgca      120
caatctcagc tcaccgaaac ctccgcctca caggttcaag tgattcctct gcctcagcct      180
tctgagtagc taggatgaca agcatttgcc atgatacctg gctaattttg tatttttagt      240
agagaccagg attcttcatg ttgataaggt ggttcttgaa ctctgacct cagatgatcc      300
atctgatttg gcctcccaaa ctgctgggag tacaggcaat ctgaattcgt cgacaagctt      360
ctcgagccta ggctagctct agaccacacg tgtgggggccc cgagctcgcg gccgctgtat      420
tctatagtgt cacctaaatg gccgcacaat tcaactggcg tcgtttttaca acgtcgtgac      480
tgggaaaacc ctggcggttac ccaacttaat cgccttgacg cacatcccc tttcgccagc      540
tggcgtaata gcgaagaggc ccgcaccgat cgccttccca acagttgcgc agcctgaatg      600
gcgaatggaa attgtaagcg                                                    620

```

```

<210> 95
<211> 600
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<223> Alu sequence cloned from E-61m34BD (see Figure 3)

```

<400> 95
ttaaacagct atgaccatga ttacgccaa gctctaatac actcactata gggaaagctc      60
ggtagcacgc atgctgcaga cgcgttacgt atcggatcca gaattcgtga ttggagggtg      120
tttgacaaat ctgcgttcac tgcaacttct gcctcccagg ttcaagcaat tatctgcctc      180
agcctcccga gtagctggga ttacagggtgc ccgccaccac actcagctaa ttttcgtatt      240
tttagtagag acggtttcac catcttggct aggtgtgtct tgagctcctg actgcgtgat      300
ccaccgcctt tggcccccca aactgctggg agtacaggca atctgaattc gtcgacaagc      360
ttctcgagcc taggctagct ctagaccaca cgtgtggggg cccgagctcg cggccgctgt      420
attctatagt gtcacctaaa tggccgcaca attcactggc cgtcgtttta caacgtcgtg      480
actgggaaaa ccctggcggt acccaactta atcgccttgc agcacatccc cctttcgcca      540
gctggcgtaa tagcgaagag gcccgccacc atcgccttcc ccaacagttg cgcagcctga      600

```

```

<210> 96
<211> 627
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from E-62m34BD (see Figure 3)

```

```

<400> 96
cttgaccatg attacgcaa gctctaatac gactcactat agggaaagct cggtagcacg      60
catgctgcag acgcgttacg tatcggatcc agaattcgtg attggagggt gtttgacaaa      120
tcttggtcca ctgtaacctc tgctcctggg gttcaagtaa ttctcctgtc tcagcctcct      180
gagtagctag gattactggt gcccgccacc atgcccggca aatttttgta ttttagtag      240
agatgggggt tcactatggt gcccagggtg gtctcaaact cctgacctca agtgatccac      300
ctgcttcagc ttcccaaact gctgggagta caggcaatct gaattcgtcg acaagcttct      360
cgagcctagg ctagctctag accacacgtg tgggggcccc agctcgcggc cgctgtattc      420
tatagtgtca cctaaatggc cgcacaattc actggccgtc gttttacaac gtcgtgactg      480
ggaaaaccct ggcgttacct aacttaatcg ccttgcagca catccccctt tcgccagctg      540
gcgtaatagc gaagaggccc gcaccgatcg cccttcccaa cagttgcgca gcctgaatgg      600

```

627

cgaatggaaa ttgtaagcgt taatatt

<210> 97  
 <211> 610  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-63m34BD (see Figure 3)

<400> 97  
 aacagctatg accatgatta cgccaagctc taatacgact cactataggg aaagctcggg 60  
 accacgcatg ctgcagacgc gttacgtatc ggatccagaa ttcgtgattg gaggggtgtt 120  
 gcacaatctc agctcaccca aacctccgcc tcacagggtc aagtgattcc tctgcctcag 180  
 ccttctgagt agctaggatg acaagcattt gccatgatac ctggctaatt ttgtattttt 240  
 agtagagacc aggattcttc atgttgataa ggtggttcct gaactcctga cctcagatga 300  
 tccatctgac ttggcctccc aaactgctgg gagtacaggc aatctgaatt cgtcgacaag 360  
 cttctcgagc ctaggctagc tctagaccac acgtgtgggg gcccgagctc gcgggcggctg 420  
 tattctatag tgtcacctaa atggccgcac aattcactgg ccgtcgtttt acaacgctcgt 480  
 gactgggaaa accctggcgt taccgaactt aatcgccctg cagcacatcc ccctttcgcc 540  
 agctggcgta atagcgaaga ggcccgacc gatcgccctc ccaacagttg cgcagcctga 600  
 atggcgaatg 610

<210> 98  
 <211> 577  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-66m39MD (see Figure 3)

<400> 98  
 tatgaccatg attacgcaa gctctaatac gactcactat agggaaagct cggtaccacg 60  
 catgctgcag acgcgttacg tatcgatcc agaattcgtg attggagggt gtttgcacaa 120  
 tctcagctca ccgaaacctc cgcctcacag gttcaagtga ttcctctgcc tcagccttct 180  
 gagtagctag gatgacaagc atttgccatg atacctggct aattttgtat ttttagtaga 240



```

gaccaggatt cttcatgttg ataaggtggg tcttgaactc ctgacctcag atgatccatc 300
tgatttggcc tcccaaactg ctgggagtag aggcaatctg aattcgtag caagcttctc 360
gagcctaggc tagctataga ccacacgtgt gggggcccca gctcgcggcc gctgtattct 420
atagtgtcac ctaaattggc gcacaattca ctggccgtcg tttacaacg tcgtgactgg 480
gaaaaccctg gcgttaccca acttaatcgc ttgcagcaca tcccctttcg ccagctggcg 540
taatagcgaa gaggcccgca ccgatcgccc ttcccaa 577

```

```

<210> 99
<211> 680
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from E-68m39MD (see Figure 3)

```

```

<400> 99
cagctatgac catgattacg ccaagctcta atacgactca ctatagggaag agctcggtac 60
cacgcatgct gcagacgctg tacgtatcgg atccagaatt cgtgattgga ggggtgtttgc 120
acaatctcag ctcaccgaaa cctccgcctc acagggtcaa gtgattcctc tgcctcagcc 180
ttctgagtag ctaggatgac aagcatttgc catgatacct ggctaatttt gtatttttag 240
tagaggccag gattcttcat gttgataagg tggttcttga actcctgacc tcagatgac 300
catctgattt ggccctccaa actgctggga gtacaggcaa tctgaattcg tcgacaagct 360
tctcgagcct aggctagctc tagaccacac gtgtgggggc ccgagctcgc ggccgctgta 420
ttctatagtg tcacctaaat ggccgcacaa ttactggcc gtcgttttac aacgtcgtga 480
ctgggaaaac cctggcggtta cccaacttaa tcgccttgca gcacatcccc ctttcgccag 540
ctggcgtaat agcgaagagg cccgcaccga tcgccttccc aacagttgcg cagcctgaat 600
ggcgaatgga aattgtaagc gttaatatatt tgttaaaatt cgcgttaaatt ttttgtaaa 660
tcaactcatt tttaaccaa 680

```

```

<210> 100
<211> 581
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<223> Alu sequence cloned from E-71m39MD (see Figure 3)

```

<400> 100
aagattgacc atgattacgc caagctctaa tacgactcac tatagggaaa gtcgggtacc      60
acgcatgctg cagacgcggt acgtatcgga tccagaattc gtgattggag ggtgtttgca      120
caatctcagc tcaactgcaac cttcacctcc caggttcaag cgattctcat gcctcagcct      180
tccgaatagt tgagattaca ggctcgtgcc accacaccca gctaattttt tgtattttta      240
gtagagatgg gggtttcacca tgttgccag gctgggtcttg agtccttgac ctcaagtaat      300
ctgcccacct cagcctccaa aactgctggg agtacaggca atctgaattc gtcgacaagc      360
ttctcgagcc taggctagct ctagaccaca cgtgtggggg cccgagctcg cggccgatgt      420
attctatagt gtcacctaaa tggccgcaca attcactggc cgtcgtttta caacgtcgag      480
actgggaaaa ccctggcggt acccaactta atcgcttgc agcacatccc cctttcgcca      540
gctggcgtaa tagcgaagag gcccgaccg atcgacctt c                               581

```

```

<210> 101
<211> 600
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from E-72m43BD (see Figure 3)

```

```

<400> 101
taaacacggt gaccatgatt acgccaagct ctaatacgac tcaactatagg gaaagctcgg      60
taccacgcat gctgcagacg cgttacgtat cggatccaga attcgtgatt ggaggggtgtt      120
tgcacaatct cggctcactg caacatccgc ctcccagta gctgggacca caggtgtgca      180
ccacctttcc gggctaattt ttgtattttt agtagagaca gggttttgcc atgttggtca      240
ggctgggtctt gaactcctga cctcaggtga tttgcccacc tcagcctccc aaactgctgg      300
gagtacaggc aatctgaatt cgtcgacaag cttctcgagc ctaggctagc tctagaccac      360
acgtgtgggg gcccgagctc gcggccgctg tattctatag tgtcacctaa atggccgcac      420
aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa accctggcgt taccacaactt      480
aatcgcttgc cagcacatcc ccttttcgcc agctggcgta atagcgaaga ggcccgacc      540
gatecgccctt cccaacagtt gcgcagcctg aatggcgaat ggaaattgta agcgtaata      600

```

<210> 102  
 <211> 622  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-74m43BD (see Figure 3)

<400> 102  
 aaacagctat gaccatgatt acgccaagct ctaatacgac tcactatagg gaaagctcgg 60  
 taccacgcat gctgcagacg cggtacgtat cggatccaga attcgtgatt ggaggggtgtt 120  
 tgcacaatct cagctcattg cgagctccac ctcccagggt caagcaattc tcctacctca 180  
 gcaactcctg agtagctgag actacagggt tgtgccacta tgcctggcta actttttttg 240  
 tatttttagt agagacaggg ttccaccatg ttggccaggc tagtctcgaa cacctgacct 300  
 cagatgatcc acctgcctcg gcctcccaaa ctgctgggag tacaggcaat ctgaattcgt 360  
 cgacaagctt ctcgagccta ggctagctct agaccacacg tgtggggggc cgagctcgcg 420  
 gccgctgtat tctatagtgt cacctaaatg gccgcacaat tcactggccg tcgtttttaca 480  
 acgtcgtgac tgggaaaacc ctggcggttac ccaacttaat cgccttgag cacatcccc 540  
 ttccgccagc tggcgtaata gcgaagagcg ccgcaccgat cgcccttccc aacagttgcg 600  
 cagctgaatg gcgaatggaa at 622

<210> 103  
 <211> 670  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-75m43BD (see Figure 3)

<400> 103  
 cagctatgac catgattacg ccaagctcta atacgactca ctataggga agctcgggtac 60  
 cacgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgattgga ggggtgtttgc 120  
 acaatcttgg ttactacaa cctccaatct ccagggtcaa ggattctcct gcctcagact 180  
 cctgagtagc tgggattaca ggcattccacc aacatgcctg gctaattttt ttatttttag 240  
 cagagacggg gttttgccat attggccatg ctggtctcaa actcctgacc tcatgtgatc 300  
 caccgcctt ggctcccaa actgctggga gtacaggcaa tctgaattcg tcgacaagct 360

```

tctcgagcct aggctagctc tagaccacac gtgtgggggc ccgagctcgc ggccgctgta 420
ttctatagtg tcacctaaat ggccgcacaa ttcactggcc gtcgttttac aacgtcgtga 480
ctgggaaaac cctggcggtta cccaacttaa tcgccttgca gcacatcccc ctttcgccag 540
ctggcgtaat agcgaagagg cccgcaccga tcgcccttcc caacagttgc gcagcctgaa 600
tggcgaatgg aaattgtaag cgttaatatt ttgttaaaat tcgcgttaaa tttttgttaa 660
atcagctcat 670

```

```

<210> 104
<211> 570
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from E-77m43BD (see Figure 3)

```

```

<400> 104
cagctaacag ctatgacctg attacgcaa gctctaatac gactcactat agggaaagct 60
cggtagcacg catgctgcag acgcgttacg tatcggatcc agaattcgtg attgcctgta 120
ctcccagcag tttcggagggt tgaggcgggt ggattacctg aggtcaggag ttttaagatca 180
gcctggccaa cctgatgaaa ccccatctct actaaaaata caaaaaatta gcctgggtgtg 240
ttggtgggca tctgtaatcc cagctactcg ggaggctgag gcaggataat cacttgaacc 300
tgaggaggtg tggttgcaat gagctgagat tgtgcaaaca cctccaatc tgaattcgtc 360
gacaagcttc tcgagcctag gctagctcta gaccacacgt gtggggggccc gagctcgcgg 420
ccgctgtatt ctatagtgtc acctaaatgg ccgcacaatt cactggccgt cgttttataa 480
cgctcgtgact gggaaaaccc tggcgttacc caacttaatc gccttgcagc acatccccct 540
ttcgccagct ggcgtaatag cgaagaggcc 570

```

```

<210> 105
<211> 601
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from E-78m43BD (see Figure 3)

```

```

<400> 105

```

```

acagctatga ccatgattac gccaaagctct aatacgactc actatagggg aagctcggta      60
ccacgcatgc tgcagacgcg ttacgtatcg gatccagaat tcgtgattgg aggggtgtttg      120
cacaatctcg gctcaatgca acctcagcct cctgggttca agcaattctc ctgtctcagc      180
ctcccgagta gctgggatta caggcacatg ccaccatgcc caactaattt ttgtattttt      240
agtagagaca ggggttttgcc atgttggcca ggctggcttc aaactcctga cctcaggtgg      300
tccaccggcc tcagcctccc aaactgctgg gagtacaggc caatctgaat tcgtcgacaa      360
gcttctcgag cctaggctag ctctagacca cagtggtggg ggcccgagct cgcggccgct      420
gtattctata gtgtcaccta aatggccgca caattcactg gccgtcgttt tacaacgtcg      480
tgactgggaa aaccctggcg ttacccaact taatcgctt gcagcacatc ccccttctgc      540
cagctggcgt aatagcgaag aggccgcac cgatcgctt ccaacagttg cgcagcctga      600
a                                                                                   601

```

```

<210> 106
<211> 520
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from E-79m43BD (see Figure 3)

```

```

<400> 106
aacagctatg accatgatta cgccaagctc taatacgact cactataggg aaagctcggg      60
accacgcatg ctgcagacgc gttacgtatc ggatccagaa ttctgattg gaggggtgtt      120
gcacaatctc agctcactgc aacctccgtt tcccaggtgc aaccgattct cctgcctcag      180
acctctgaag cggctgggac tacaggtgcc tgccacctca cccggctaata ttttgtattt      240
ttagtaagag atgggggttt accacattgg cgggggtggg ctcaaactcc tgacctcaag      300
tgatccttcc atcttggcct cccaaactgc tgggagtaca ggcaatctga attcgtcgac      360
aagcttctcg agcctaggct agctctatac cacacgtgtg ggggcccagag ctccgcggcc      420
gctgtattct atagtgttac ctaaattggc ggacaattca ctggccgtcg gtttacaacg      480
tcaggactgg gaaaaccctg gcgttaccca acttaatgcc                                520

```

```

<210> 107
<211> 591
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from E-83m43BD (see Figure 3)

<400> 107

```

cagctatgac catgattacg ccaagctcta atacgactca ctatagggaa agctcggtac      60
cacgcatgct gcagacgcgt tacgtatcgg atccagaatt cgtgattgga ggggtgtttgc      120
acaatctcgg ctcaatgcaa cctcagcctc ctggggttcaa gcaattctcc tgtctcagcc      180
tcccagagtag ctgggattac aggcacatgc caccatgccc aactaatttt tgtattttta      240
gtagagacag ggtttttgcca tgttgccag gctgggtctca aactcctgac ctcaggtggt      300
ccaccggcct cagcctccca aactgctggg agtacaggcc aatctgaatt cgtcgacaag      360
cttctcgagc ctaggctagc tctagaccac acgtgtgggg gcccgagctc gcggccgctg      420
tattctatag tgtcacctaa atggccgcac aattcactgg ccgtcgtttt acaacgtcgt      480
gactgggaaa accctggcgt taccgaactt aatgccttg cagcacatcc ccctttcgcc      540
agctggcgta atagcgaaga ggcccgacc gatcgcttc caacagttgc g                591

```

<210> 108

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from E-167m50Ctrl (see Figure 3)

<400> 108

```

cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag      60
tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac      120
caggattctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga      180
tttggcctcc c                191

```

<210> 109

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from E-271m50Ctrl (see Figure 3)

<400> 109  
 cagctcacca tgacctctgc ctctggggtt caagcgattc tctggactca gcctcctgag 60  
 tagctggaat tacagggatt cgccaccatg cccagctaata tttgtatggt tagtagagac 120  
 agggttttctc caaattggtc aggctgggtc cgaactcccg acctcaggtg atccgcccgc 180  
 cttggcctcc c 191

<210> 110  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-272m50Ctrl (see Figure 3)

<400> 110  
 cagctcactg cagcctcctc cctctgaggt caagtgatac tgctgcctca gcctcctgag 60  
 tagctgggat tacaggcacc caccaccaac cctggccaat tttgtatatt ttagtagaga 120  
 cagagtttca ccatgctggc caggctggtc tcaaactcct gccctcagat gttccaccca 180  
 ccttggcctc cc 192

<210> 111  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-273m50Ctrl (see Figure 3)

<400> 111  
 cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag 60  
 tagctaggat gacaagcatt tgccatgata cctggctaata tttgtatttt tagtagagac 120  
 caggattctt tatgttgata aggtgggttct tgaactcctg acctcagatg atccatctga 180  
 tttggcctcc c 191

<210> 112  
 <211> 191  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from E-275m50Ctrl (see Figure 3)

```

<400> 112
cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag      60
tagctaggat gacaagcatt tgccatgata cctggctaata tttgtatttt tagtagagac      120
caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga      180
tttggcctcc c                                                                191

```

<210> 113

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from E-279m50Ctrl (see Figure 3)

```

<400> 113
cagctcactg cagcctcctc cctctgaggt caagtgattc tgctgcctca gcctcctgag      60
tagctgggat tacaggcacc caccaccaac cctggccaat tttgtatttt ttagtagaga      120
cagagtttca ccatgctggc caggctggtc tcaaactcct gccctcagat gttccaccca      180
ccttggcctc cc                                                                192

```

<210> 114

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from E-281m50Ctrl (see Figure 3)

```

<400> 114
cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag      60
tagctaggat gacaagcatt tgccatgata cctggctaata tttgtatttt tagtagagac      120
caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga      180
tttggcctcc c                                                                191

```



<210> 115  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-283m56SZ (see Figure 3)

<400> 115  
 tggctcactg taacctctgc ctcttgggtt caagtaattc tcctgtctca gcctcctgag 60  
 tagctaggat tactggtgcc cgccaccatg cccggcaaatt ttttgtattt ttagtagaga 120  
 tgggggtttca ctatgttgcc cagggtggtc tcaaactcct gacctcaagt gatccacctg 180  
 cttcagcttc cc 192

<210> 116  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-284m56SZ (see Figure 3)

<400> 116  
 cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60  
 tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120  
 caggattcctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180  
 tttggcctcc c 191

<210> 117  
 <211> 187  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-61m34BD (see Figure 3)

<400> 117  
 cggttcactg caacttctgc ctcccaggtt caagcaatta tctgcctcag cctcccaggt 60  
 agctgggatt acaggtgccc gccaccacac tcagctaatt ttcgtatttt tagtagagac 120  
 ggtttcacca tcttggttag gctggtcttg agctcctgac tgcgtgatcc acccgcttg 180

187

gcccccc

<210> 118  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-62m34BD (see Figure 3)

<400> 118  
 tgggtcactg taacctctgc ctctggggtt caagtaattc tcctgtctca gcctcctgag 60  
 tagctaggat tactgggtgcc cgccaccatg cccggcaaat ttttgtattt ttagtagaga 120  
 tgggggtttca ctatgttgcc caggggtggtc tcaaactcct gacctcaagt gatccacctg 180  
 cttcagcttc cc 192

<210> 119  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-63m34BD (see Figure 3)

<400> 119  
 cagctcaccg aaacctccgc ctcacagggtt caagtgattc ctctgcctca gccttctgag 60  
 tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120  
 caggattctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga 180  
 cttggcctcc c 191

<210> 120  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-66m39MD (see Figure 3)

<400> 120  
 cagctcaccg aaacctccgc ctcacagggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120  
 caggattctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga 180  
 tttggcctcc c 191

<210> 121  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-68m39MD (see Figure 3)

<400> 121  
 cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag 60  
 tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120  
 caggattctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga 180  
 tttggcctcc c 191

<210> 122  
 <211> 193  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-71m39MD (see Figure 3)

<400> 122  
 cagctcactg caaccttcac ctcccagggt caagcgattc tcatgcctca gccttccgaa 60  
 tagttgagat tacaggctcg tgccaccaca cccagctaatt tttttgtatt tttagtagag 120  
 atgggggtttc accatgttgg ccaggctggt cttgagctcc tgacctcaag taatctgccc 180  
 acctcagcct cca 193

<210> 123  
 <211> 160  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-72m43BD (see Figure 3)

<400> 123  
 cggctcactg caacatccgc ctcccagta gctgggacca caggtgtgca ccacctttcc 60  
 gggctaattt ttgtatTTTT agtagagaca gggTTTTgcc atgttggtca ggctgggtctt 120  
 gaactcctga cctcaggtga ttgcccacc tcagcctccc 160

<210> 124  
 <211> 197  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-74m43BD (see Figure 3)

<400> 124  
 cagctcattg cgagctccac ctcccaggtt caagcaattc tcctacctca gcaactcctg 60  
 agtagctgag actacaggtg tgtgccacta tgctggcta actTTTTttg tatttttagt 120  
 agagacaggg tttcaccatg ttggccaggc tagtctcgaa cacctgacct cagatgatcc 180  
 acctgctctg gcctccc 197

<210> 125  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-75m43BD (see Figure 3)

<400> 125  
 tggttcacta caacctccaa tctccaggtt caaggattct cctgcctcag actcctgagt 60  
 agctgggatt acaggcatcc accaacaatgc ctggctaatt tttttatttt tagcagagac 120  
 ggggttttgc catattggcc atgctggtct caaactcctg acctcatgtg atccaccgc 180  
 cttggcctcc c 191

<210> 126  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-78m43BD (see Figure 3)

<400> 126  
 cggctcaatg caacctcagc ctcttgggtt caagcaattc tcctgtctca gcctcccgag 60  
 tagctgggat tacaggcaca tgccaccatg cccaactaat ttttgtattt ttagtagaga 120  
 cagggttttg ccatgttggc caggctggtc tcaaactcct gacctcaggt ggtccaccgg 180  
 cctcagcctc cc 192

<210> 127  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-79m43BD (see Figure 3)

<400> 127  
 cagctcactg caacctccgt ttcccagggtg caaccgattc tcctgcctca gacctctgaa 60  
 gcggctggga ctacagggtg ctgccacctc acccggttaa tttttgtatt ttagtaaga 120  
 gatggggttt caccacattg gccgggggtg tctcaaactc ctgacctcaa gtgaccttc 180  
 catcttggcc tccc 194

<210> 128  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from E-83m43BD (see Figure 3)

<400> 128  
 cggctcaatg caacctcagc ctcttgggtt caagcaattc tcctgtctca gcctcccgag 60  
 tagctgggat tacaggcaca tgccaccatg cccaactaat ttttgtattt ttagtagaga 120  
 cagggttttg ccatgttggc caggctggtc tcaaactcct gacctcaggt ggtccaccgg 180  
 cctcagcctc cc 192

<210> 129  
 <211> 470  
 <212> DNA  
 <213> Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Alu sequence cloned from E-120m57Ctrl (see Figure 3)

```

<400> 129
aatagctatg cccatgatta cgccaagctc taatacgact cactataggg tatgctcgga      60
gctaggcatg ctgcagacgc gttacgcatt acgatccaga atccagagat tggagggtggc      120
tggcgtaata tcggttttagt gggacctgtg cctccgggtt ccagggtgttg ctagtgtttg      180
aacctcctga gcatcattgg ataacagtag cctctcacca tgctcatctt gtgcttgtat      240
tgggtggcagc ggtccaccat gccgggttatg ctgaactcgg actcatcacc ttaaattaac      300
cacctgcctc agactccgaa actgctggta gtacaggcaa tctgcattcg tctgcattct      360
tctacagcct aggctagcta tagaccacac ttgaccacgg cccgagctcc cggccgcttg      420
gattctatag tgtcatataa aggcccgaa aattcactgc accgtagttt      470

```

&lt;210&gt; 130

&lt;211&gt; 470

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Alu sequence cloned from RevE-120m57Ctrl (see Figure 3)

```

<400> 130
aaactacggt gcagtgaatt gttcgggcct ttatatgaca ctatagaatc caagcggccg      60
ggagctcggg ccgtgggtcaa gtgtggtcta tagctagcct aggctgtaga agaatgcaga      120
cgaatgcaga ttgcctgtac taccagcagt ttcggagtct gaggcagggtg gttaatttaa      180
ggtgatgagt ccgagttcag cataaccggc atggtggacc gctgccacca atacaagcac      240
aagatgagca tggtagagagg ctactgttat ccaatgatgc tcaggagggtt caaacactag      300
caacacctgg aaccocggagg cacaggtecc actaaaccga tattacgcca gccacctcca      360
atctctggat tctggatcgt aatgcgtaac gcgtctgcag catgcctagc tccgagcata      420
ccctatagtg agtcgtatta gagcttggcg taatcatggg catagctatt      470

```

&lt;210&gt; 131

&lt;211&gt; 191

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from RevE-119m57Ctrl (see Figure 3)

<400> 131  
 cagctgactg caacctctga ctctgggtt caagtgactc tcctgcctca gccttctgaa 60  
 tagctgggat tacgggcaag taccaccata cctagctaat tttgtatttt tagcagagac 120  
 ggggtttctc catgttggtc aggcgggttct cgaactcccg acctcaggtg atccacctgc 180  
 ctctgcctcc c 191

<210> 132  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from RevE-270m50Ctrl (see Figure 3)

<400> 132  
 cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60  
 tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120  
 caggattctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga 180  
 tttggcctcc c 191

<210> 133  
 <211> 193  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from RevE-169m50Ctrl (see Figure 3)

<400> 133  
 cagctctcca caacctccgc catcgtgggt tccagcagat tctcctgcct cggcctccca 60  
 agtagctggg aatacaggca cgctccaata cacctggcta attatgtatt tttagtagag 120  
 acagggtttc tccatgttgg tcaacctggt ctggaactcc tgacctcggg taatcaacct 180  
 acttcagcct ccc 193

<210> 134

<211> 193  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from RevE-77m43BD (see Figure 3)

<400> 134  
 cagctcactg caaccaccac ctcccagggt caagtgatta tcctgcctca gcctcccgag 60  
 tagctgggat tacagatgcc caccaacaca ccaggctaatt tttttgtatt ttagtagagag 120  
 atgggggtttc atcagggttg ccaggctgat cttaaactcc tgacctcagg taatccaccc 180  
 gcctcaacct ccg 193

<210> 135  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK1601mM-13\_m37-7+++ (see Figure 3)

<400> 135  
 cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag 60  
 tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagag 120  
 caggattctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga 180  
 tttggcctcc c 191

<210> 136  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK1601mM-11\_m37-5+++ (see Figure 3)

<400> 136  
 cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag 60  
 tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagag 120  
 caggattctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga 180



191

tttggccttc c

<210> 137  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK1601\_mM-1\_m57-6 (see Figure 3)

<400> 137  
 cagctcactg caggctccgc ctcccgggtt cacgccattc tcctgcctca gcctcccgag 60  
 tagctggggac tacaggcgcc caccaccatg ccagctaat ttttgtattt ttagcagaga 120  
 cgggggtttca ccatgttggc caggatgggc tccaaactcc tgacctctg agacacctgt 180  
 gtcgggggtcc caaactgtgg gagtacaggc aactctgaat ttttggacaa gactcttcga 240  
 gcctatgcta ctatctacac cacaccgct gggggcccca gctcgcggcc gctgtattat 300  
 ataata 306

<210> 138  
 <211> 187  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK1601mM-60+++ (see Figure 3)

<400> 138  
 cagctcaatg caacctacac ctccctgggtt caagtgattc tcacgcctca gcctcctaag 60  
 taactgggat tacaggggag caccaccaca cctggctaatt tttttgtatt ttagcagag 120  
 atgggccatg ttggccaggc tggcttgaa ctctgacct caagtgatcc acctgcctcg 180  
 gcctccc 187

<210> 139  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK1601MM-59+++ (see Figure 3)

<400> 139  
 cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60  
 tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120  
 caggattctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga 180  
 tttggcctcc c 191

<210> 140  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK1601mM-58+++ (see Figure 3)

<400> 140  
 cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60  
 tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120  
 caggattctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga 180  
 tttggcctcc c 191

<210> 141  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK1601mM-57+++ (see Figure 3)

<400> 141  
 atctatgaca tgattgcccc gattctccaa gctctaattc tactgaatgt tcggaacgct 60  
 ccatccacgc atgccgtaaa cgctttactc ctcggttcca gaatgcggga ttgcctgtac 120  
 ttccatcagt tagggaggcc aaatcctacg gatcatatga ggctatgaga ccaagaccca 180  
 ccttatcaac atgaagaatc ctgggtctcta ctaaaaatac aatattagcc aggtttcatg 240  
 gtatatgctt gtaatcctag ctactcacia ggctgaggca gaggaattac ttgaacctgt 300  
 gaggcggagg tttcgggtgag ctgagattgt ccaaacaccc tccaatctga attcgttgac 360  
 aagcttttcg agcctaggct agctctagac cacacgtgtg ggggcccagag ctcgcggt 418

<210> 142  
 <211> 380  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK1601mM-55+++ (see Figure 3)

<400> 142  
 acgttgccctg ttcgcagtta tcgctacttg ggaagtcgtc ccatctgagc cgtcgatcga 60  
 tccagaatcg gattggaggt gttgccaaaca ttgagtcact gcagctttga cctcctgagt 120  
 gcatgtggct tattccacct caacctcctg aggagttggg accaccagtg ttcaacacca 180  
 catcaggcta atttaatat ttgtagaaat gaagacttac tattatgtcc aggctagtat 240  
 taaaatactg gggttaagca agactcccc cttgttggtc ccaaagtctg gggggacaac 300  
 aggtattgat ttttcgacaa gcttcttcga gcctccgatg gttctataca ccacacgtgg 360  
 ggcccagact ctcgccgctg 380

<210> 143  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from Pk1601mM-54+++ (see Figure 3)

<400> 143  
 cagctcaccg aaacctccgc ctcaçaggtt caagtgattc ctctgcctca gccttctgag 60  
 tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120  
 caggattctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga 180  
 tttggcctcc c 191

<210> 144  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from pk1601mM-53+++ (see Figure 3)

<400> 144  
 cagctcaccg aaacctgcgc ctcacagggt caagtgatcc ctctgcctca gccttctgag 60  
 tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120  
 caggattctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga 180  
 tttggcctcc c 191

<210> 145  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from pk1601mM-52+++ (see Figure 3)

<400> 145  
 cagctcactg caacctccgc ctctctggatt caagcgattt tcccgcctta gcctcctgag 60  
 taactgggac tagaggcagg taccaccacg cccagctaatt ttttgtattt ttagtagaga 120  
 cgaggtttca ccatgtgggc caggctggtc ttaaactcct gacctcaagt gatttgccca 180  
 actcagcctc cc 192

<210> 146  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from pk1601mM-51+++ (see Figure 3)

<400> 146  
 cagctcactg caacctccgc ctctctggatt caagcgattt tcccgcctta gcctcctgag 60  
 taactgggac tagaggcagg taccaccacg cccagctaatt ttttgtattt ttagtagaga 120  
 cgaggtttca ccatgtgggc caggctggtc ttaaactcct gacctcaagt gatttgccca 180  
 actcagcctc cc 192

<210> 147  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from pk1601mM-50 (see Figure 3)

<400> 147

```
cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag    60
tagctaggat gacaagcatt tgccatgata cctggctaata tttgtatttt tagtagagac    120
caggattctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga    180
tttggcctcc c                                                                191
```

<210> 148

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from pk1601mM-49 (see Figure 3)

<400> 148

```
gactcattgc aacctctgcc tcctgggttt aagccgttct catgcctcag cctcccgacg    60
tagctgggat tataggcatg cgccaccacc cccagctaata ttttgtatta tcagtagaga    120
tgggggttcg ccatgctggc caggctggtc ttgaactcct gacctcaagc aatccgcccc    180
actcggcctc cc                                                                192
```

<210> 149

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from pk1601mM-47 (see Figure 3)

<400> 149

```
cagctcaccg aaacctccgc ctcacgggtt caagtgattc ctctgcctca gccttctgag    60
tagctaggat gacaagcatt tgccatgata cctggctaata tttgtatttt tagtagagac    120
caggattctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga    180
tttggcctcc c                                                                191
```

<210> 150

<211> 191

<212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from pk1601mM-48 (see Figure 3)

```

<400> 150
cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag      60
tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac      120
caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga      180
tttggcctcc c                                                                191
  
```

<210> 151  
 <211> 190  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from pk1601mM-44 (see Figure 3)

```

<400> 151
cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag      60
tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt agtagagacc      120
aggattcttc atgttgataa ggtggttctt gaactcctga cctcagatga tccatctgat      180
ttggcctccc                                                                190
  
```

<210> 152  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from pk1601mM-42 (see Figure 3)

```

<400> 152
cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag      60
tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatggt tagtagagac      120
caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga      180
tttggcctcc c                                                                191
  
```

<210> 153  
 <211> 320  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from pk1601mM-37+++ (see Figure 3)

<400> 153  
 gacaggatg accatgatta cgccagctct aatacgactc actataggga aagctcggta 60  
 ccacgcatgc tgcagacgcg ttacgtatgg gatccagaat tcgtgattgg aggggtgtttt 120  
 gcacaatctc agctcaccgc aacctttgcc tcacgggctc aagtgattct catgcttgat 180  
 cctaccaagt agctgggatt acaggcacat gccatcatgc tgagctaact ttggtattttt 240  
 tggtagagac gaggtttcac catgttggcc aggctgtctc aaactcctga cctcagatga 300  
 tccgtccacc tcagcctccc 320

<210> 154  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from pk1601mM-35+++ (see Figure 3)

<400> 154  
 cggctcactg caagctctgc ctcccgggtt catgccattc tcctgcctca gcctcccag 60  
 tagctgggac tgcaggtggc cgtcaccacg cccggctaatt tttttgtatt tttagtagag 120  
 acagggtttc accatgttag ccaggatggt ctgatctcc tgacctcgtg atctgcccgc 180  
 ctcagcctcc c 191

<210> 155  
 <211> 188  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from pk1601\_mM-32+++ (see Figure 3)

<400> 155

```

cacgtcactg taatgtccat ctcccgggtt caggtgattc tcctgccccca gcctcctgag      60
tagctgtaca ggcgtgcacc accatgccccg actaattttt gtacttttag tagagattgg      120
gtttcaccgt gttggtcagg ctggtcttga actcctgacc tcaagtgatc tgcctgcctc      180
agcctccc                                         188

```

```

<210> 156
<211> 140
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1601_mM-31+++ (see Figure 3)

```

```

<400> 156
cagcttactg caacctttgc ttcccagttt caagtgattc tcctgtctca tgctccagag      60
aacccggtac tacaggcaca cgccaccatg ctcggctaata aatttatggt cttagaatag      120
agattggttt tcaccgattt                                         140

```

```

<210> 157
<211> 190
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1601_mM-30+++ (see Figure 3)

```

```

<400> 157
tggctcactg caacctctgc caccgggatt taagcaattc tcctgcctca gcctcccagag      60
tagctgggat tacaggcgcc tgccactgct ctgagctaata ttttgtattt ttggtagaga      120
cgggatttca ccatcttggc caggctgggt ttaaactcct gacctcatga tccacccgcc      180
tcggccttcc                                         190

```

```

<210> 158
<211> 292
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-24+++ (see Figure 3)

```



```

<400> 158
tggcttactg gaaccttcgc cttccgggtt caagagattc ttctgcctta accttccgag      60
aggctggggac tacaggcatg cgccaccatg cccagctagg ttttggattt ttaagagaga      120
tggggtttcc ccatgttggc caggatgata tcgatctctt gacctcgtga tctgtccggc      180
ttaagacttc caaactgggtg ggagtacagg caatctgaat tcgtcgacaa gcttttctag      240
cctaggctag ctctagacac acgtgtggggg gcccagagctc gcggccgctg ta          292

```

```

<210> 159
<211> 192
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-23+++ (see Figure 3)

```

```

<400> 159
cggttcattg caacctccgc ttcttagggt ccagtgatcc tcctgcctca gtcccccaag      60
tggctggggac tacaggcatg tgccaccaca tctggctaac tttgtatat ttagtagaaa      120
cagggtttca ccatgttggc caggctggtc tcgaactcct ggccctcaagt gatccacccg      180
ccttggcctc cc.                  192

```

```

<210> 160
<211> 191
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from pk1401_mM-22+++ (see Figure 3)

```

```

<400> 160
cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag      60
tagctaggat gacaagcatt tgccatgata cctggctaata tttgtatttt tagtagagac      120
caggattctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga      180
tttggcctcc c                    191

```

```

<210> 161
<211> 190
<212> DNA
<213> Homo sapiens

```

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Alu sequence cloned from pk1401\_mM-21+++ (see Figure 3)

&lt;400&gt; 161

tggtcactg caacctctgc ctctgggtt caagtaattc tcctgcctca gcctcccgag 60

tacctgggac tacaggcacc caccaccacg ctcagctaat ttttgtattt ttagtagaga 120

cggggtttca ccatattggc caggctggtc tcgaactcct gaccttgtga tcccccgcc 180

tcggccgccc 190

&lt;210&gt; 162

&lt;211&gt; 191

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Alu sequence cloned from pk1401\_mM-20+++ (see Figure 3)

&lt;400&gt; 162

cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctgggctaatt tttgtatttt tagtagagac 120

caggattcctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

&lt;210&gt; 163

&lt;211&gt; 191

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Alu sequence cloned from pk1401\_mM-19+++ (see Figure 3)

&lt;400&gt; 163

cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctgggctaatt tttgtatttt tagtagagac 120

caggattcctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga 180

tttggcctcc c 191

&lt;210&gt; 164

<211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from pk1401\_mM-18+++ (see Figure 3)

<400> 164  
 cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag 60  
 tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120  
 caggattcct catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga 180  
 tttggcctcc c 191

<210> 165  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from pk1401\_mM-17+++ (see Figure 3)

<400> 165  
 gggaggccaa atcagatgga tcctctgagg tcaggagttc aagaaccacc ttatcaacat 60  
 gaagaatcct ggtctctact aaaactacaa aattagccag gtatcatggc aaatgcttgt 120  
 catcctagct actcagaagg ctgaggcaga ggaatcactt gaacctgtga ggcggagggtt 180  
 tcggtgagct g 191

<210> 166  
 <211> 193  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from pk1401\_mM-16+++ (see Figure 3)

<400> 166  
 cagctcactg caacctcccc ctcttgggtt caagcgattc tcttgcctca gcctcctgag 60  
 tagctgggat tacagggtgcc caccaccacg cccagttaat tttttgtagt ttttagtacag 120  
 acgagggttcc actgtgctga tcaggctagt ctgaactcc tgacctcagg tgatccacct 180

gccttgccat ctc 193

<210> 167  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from pk1401\_mM-14+++ (see Figure 3)

<400> 167  
 cagctcaccg aaacctccgc ctcacagggt caagtgatcc ctctgcctca gccttctgag 60  
 tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120  
 caggattctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga 180  
 tttggcctcc c 191

<210> 168  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from pk1401\_mM-10 (see Figure 3)

<400> 168  
 cagctgactg cagtcttgac ctogaaggct caagcgatcc tcccacctct cagcctcaca 60  
 agtagctggg actactactg acacgcctca ccacaccag catttttttt ttttggtaga 120  
 aacagggttt cattatgttg cccagggttg tctcaaaactc ctgagctcaa gtgatcctcc 180  
 ccactcggcc tccc 194

<210> 169  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from pk1401\_mM-8 (see Figure 3)

<400> 169  
 cagctcaccg aaacctccgc ctcacagggt caagtgatcc ctctgcctca gccttctgag 60

tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120  
 caggattctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga 180  
 tttggcctcc c 191

<210> 170  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from pk1401\_mM-7 (see Figure 3)

<400> 170  
 cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag 60  
 tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120  
 caggattctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga 180  
 tttggcctcc c 191

<210> 171  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from pk1401\_mM-6 (see Figure 3)

<400> 171  
 cagctcacca caacctccgc ctctgggtt ccagcgattc tcctgcctcg gcctcccaag 60  
 tagctgggat tacaggcacg caccaataca cctggctaatt tttgtatttt tagcagagac 120  
 aggttttctc catgttggtc aacctggtct gtaactcctg acctcgggta atcaaccac 180  
 ttcagcctcc c 191

<210> 172  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from pk1401\_mM-5 (see Figure 3)

<400> 172  
 cagctcactg caacctccat ttcttgggtt caagcgattc tcctgcctca gcctccggag 60  
 tagctgggac cacagacgtg tgccaccatg cctgggtaat tttcatattt tcagtagagg 120  
 tggggctttg ccacattgtc caggttggtc ttgaactcct gacctcaggt gatccgcccg 180  
 cctcagcctc cc 192

<210> 173  
 <211> 193  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK1401\_mM-4 (see Figure 3)

<400> 173  
 tggctcactg caacctccgc ctcccaggtt caagcaattc tcctgcctca gtctcccagag 60  
 tagctgggac taccggcgag tgctaccatg cctgcgtaat tttttgtact tttagtagag 120  
 ttggagtttc actacgttgg ccaggctggt ctcaaactcc tggcctcaag tgatctgccg 180  
 gcctcagcct ccc 193

<210> 174  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from pk1401\_mM-3 (see Figure 3)

<400> 174  
 cggctcactg caagctccgc ctcccgggtg cagccattc tcctgcctca gcctcccagag 60  
 tagctgggac tacaggcgcc cgccaccacg cccgggtaat tttttgtatt tttagtagag 120  
 gcagggtttc actgtgttag ccaggatggt ctgatctcc tgacctcgtg atccgcccgc 180  
 ctctgcctcc c 191

<210> 175  
 <211> 208  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from pk1401\_mM-2 (see Figure 3)

<400> 175

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tgattctcct gcctcagcct cccaagtagc tgcgattaca ggcacccgcc accacaccca      60
actaattttg tatttttagt agagacaggt tttctccatg ttggtcaggc tagtctcgaa      120
ttcctgacct caggtgatct gcctgccttg gcttcccaaa gtgctgggat tacaggcgtg      180
agccactgtg cctggccaaa gctatttc      208

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<210> 176

<211> 542

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from pk1401\_mM-2 (see Figure 3)

<400> 176

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cagctcactg caacctcacc tcccgggttc aagtgattct cctgcctcag cctcccaagt      60
agctgcgatt acaggcatcc gccaccacac ccaactaatt ttgtattttt agtagagaca      120
ggttttctcc atgttgggtca ggctagtctc gaattcctga cctcagggtga tctgcctgcc      180
ttggcttccc aaagtgctgg gattacaggc gtgagccact gtgcctggcc aaagctattt      240
cttttttctt tttccttttt tttttttttt ttgagacgga gtctcgctgt gtccccagg      300
ctggagtaca atggcatgat ctgggtcac tgcaacctct gcctcccagg tttcaagcga      360
ttttcctgcc tcagcctccc gagtagctgg gattacaggc acccaccacc gtgcccagct      420
aatttttgta tctttaatag agatgggggtt tcaccatctt ggccaggctg gtcttgaact      480
cctgacctca tgatccacc acctcagtct cccaaactgc tgggagtaca gaatctgaat      540
tc      542

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<210> 177

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from BDc\_m34-4-----BD (see Figure 3)

<400> 177  
 tggctcactg taacctccac ctctgggatt caagtgattc tcctgcctca gcctcccacg 60  
 tagctgggac tacaggcaca cgacaccgca cccagctcat tttgtatttt tagtagagac 120  
 aggggtttcac tatgttggcc aggctggtct caaacttctg acctcaggtg atccaccac 180  
 ctcagccttc c 191

<210> 178  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from SZb\_m37-10+++ (see Figure 3)

<400> 178  
 cggctcactg cagcctctac ctcccatgtt caagccatcc tccagtctca gcctctggag 60  
 tagttgggat tacagatgtg taccacctcg cctggctaatt ttttgtatttt ttagtagaga 120  
 tggggttttg ccatgttggc caggctgata tcagattcct gatctcaggt gatccacctg 180  
 ccttggcctc cc 192

<210> 179  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from SZb\_m37-9+++ (see Figure 3)

<400> 179  
 ggctcactgc agcctctacc tcccatgttc aagccatcct ccagtctcag cctctggagt 60  
 agttgggatt acagatgtgt accacctcgc ctggctaatt tttgtatttt tagtagagat 120  
 ggggttttgc catgttggcc aggctgatct cagattcctg atctcaggtg atccacctgc 180  
 cttggcctcc c 191

<210> 180  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<220>



<221> misc\_feature

<223> Alu sequence cloned from SZb\_m37-7+++ (see Figure 3)

<400> 180

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cggctcactg cagcctctac ctcccatggt caagccatcc tccagtctca gcotctggag      60
tagttgggat tacagatgtg taccacctcg cctggctaata ttttgatatt ttagtagaga      120
tgggggtttg ccatgttggc caggctgac tcagattcct gatctcaggt gatccacctg      180
ccttggcctc cc                                                                192
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<210> 181

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from SZb\_m37-5+++ (see Figure 3)

<400> 181

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cagctcaccg aaacctccgc ctacacaggt caagtgattc ctctgcctca gccttctgag      60
tagctaggat gacaagcatt tgccatgata cctggctaata tttgtatttt tagtagagac      120
caggattott catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga      180
tttggcctcc c                                                                191
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<210> 182

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from SZb\_m37-3+++ (see Figure 3)

<400> 182

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cagctatgac ctgattacgc caagctctaa tacgactcac tatagggaaa gctcgggtacc      60
acgcatgctg cagacgcgtt acgtatcgga tccagaattc gtgattgccg ggacttcgaa      120
ccgtctgggc tgctgaaag cttggactac caggggtaag cggttcaggg gcctcattat      180
caacaggaac tgtgatgaca tgtactaaca aactgccca ggtcggggtt gatggcaaatt      240
gcaggacata caaaatacta atatggctgc agggctggaa tcaatcgaac gtgggagggg      300
tccgtctgcc tgagccgaca aagctgatgc aagttccaac atgaattcgt cgacaagctt      360
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ctcgagccta ggctagctct agaccacacg tgtggggggc c 401

<210> 183  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from BDc\_m34-10-----BD (see Figure 3)

<400> 183  
 cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag 60  
 tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120  
 caggattctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga 180  
 tttggcctcc c 191

<210> 184  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from SZb\_m37-2+++ (see Figure 3)

<400> 184  
 cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag 60  
 tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120  
 caggattctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga 180  
 tttggcctcc c 191

<210> 185  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from BDc\_m34-3-----BD (see Figure 3)

<400> 185  
 tggctcactg taacctccac ctctggatt caagtgattc tctgcctca gcctcccacg 60

tagctgggac tacaggcaca cgacaccgca cccagctcat tttgtatttt tagtagagac 120  
 agggtttcac tatgttggcc aggctggtct caaacttctg acctcaggtg atccaccac 180  
 ctcagccttc c 191

<210> 186  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from BDc\_m34-1-----BD (see Figure 3)

<400> 186  
 cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag 60  
 tagctaggat gacaagcatt tgccatgata cctggctaata tttgtatttt tagtagagac 120  
 caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180  
 tttggcctcc c 191

<210> 187  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from pk211201\_M39-2-----BD (see Figure 3)

<400> 187  
 cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag 60  
 tagctaggat gacaagcatt tgccatgata cctggctaata tttgtatttt tagtagagac 120  
 caggattctt catgttgata aggtggttct tgaactcctg acctcagatg atccatctga 180  
 tttggcctcc c 191

<210> 188  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from CtrlC\_m57-2 (see Figure 3)

<400> 188  
 tggctcactg caacctccac ctcccgggtt caagcaattc tcgtgcctca gccacctgag 60  
 tagctgggat tataggtgtg cgccaccaca cccggctaata ttttaaattt tttgtagaga 120  
 cgggggtttca ccctgttggc caggctggcc tcgaactcct aatctcaggt gatctgcca 180  
 ccttggcctc cc 192

<210> 189  
 <211> 202  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from BDD\_m43-19-----BD (see Figure 3)

<400> 189  
 cagctgactg caacctccac ttcccaggtt caagcgattc tcctgcctca gcctcctgag 60  
 tagctggaac tagaagcgtg caccaccaca tcccgctaata tgtgtgtgtg tgtgtgtgtt 120  
 tgttttagtaa aggggggggtt tcaccatgtt ggtcaggctg gtctcgaact cctgacaggt 180  
 gatccacccg ccttggcctc cc 202

<210> 190  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from SZc\_m37-26+++ (see Figure 3)

<400> 190  
 cagctcaccg aaacctccgc ctccacaggtt caagtgattc ctctgcctca gccttctgag 60  
 tagctaggat gacaagcatt tgccatgata cctggctaata tttgtatttt tagtagagac 120  
 caggattcct catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga 180  
 tttggcctcc c 191

<210> 191  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <223> Alu sequence cloned from BDd\_m34-19-----BD (see Figure 3)

<400> 191  
 tggctcactg taacctctgc ctctggggtt caagtaattc tcctgtctca gcctcctgag 60  
 tagctaggat tactggtgcc cgccaccatg cccggcaaatt ttttgtattt tttagtagaga 120  
 tgggggtttca ctatgttgcc caggggtggc tcaaactcct gacctcaagt gatccacctg 180  
 cttcagcttc cc 192

<210> 192  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from BDd\_m34-14-----BD (see Figure 3)

<400> 192  
 cagcccagtg caagctccgc ctcccagggt cactgcattc tcctgcctca gcctcccagag 60  
 tagctgggac tacaggcgcc cgccaccacg cccagctaatt tttttgtatt ttttagtagag 120  
 acaagggttt accgtattag cggggatggt cgctatctcc tgacctcgtg atctgcccgc 180  
 ctgggcctct c 191

<210> 193  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from BDd\_m43-14-----BD;DNA (see Figure 3)

<400> 193  
 ctctgtcac tgcagcttct gcctcccggg ttcaagtgat tctcctgcct cagcctcctg 60  
 agtagctggg actacaggca tgcaccacca caccagcta atttttgtat ttttagtaga 120  
 gacgggggttt caccatgttg gccaggatgg tctctatctc ttgacctcat gatccggccc 180  
 cctcagcctt cc 192

<210> 194  
 <211> 191

<212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from SZc\_m37-15+++ (see Figure 3)

<400> 194  
 cagctcaccg aaacctccgc ctcacagggt caagtgatcc ctctgcctca gccttctgag 60  
 tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120  
 caggattcctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga 180  
 tttggcctcc c 191

<210> 195  
 <211> 190  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from SZc\_m37-10+++ (see Figure 3)

<400> 195  
 cagctcactg caggctccgc ctcccgggtt caccgcatcc tcctgcctca gcctccgcag 60  
 tagctgggac tacaggcgcc caccaccatg ccagagtaatt tttgtatttt ttagcaaaga 120  
 cagggtttca ccatgttagc caggatgggc tcgatctcct gacctcatga tccacctgcc 180  
 tcggcctccc 190

<210> 196  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from SZc\_m37-7+++ (see Figure 3)

<400> 196  
 cagctcaccg aaacctccgc ctcacagggt caagtgatcc ctctgcctca gccttctgag 60  
 tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120  
 caggattcctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga 180  
 tttggcctcc c 191

<210> 197  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from SZc\_m37-5+++ (see Figure 3)

<400> 197  
 cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag 60  
 tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120  
 caggattctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga 180  
 tttggcctcc c 191

<210> 198  
 <211> 190  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from SZc\_m37-3+++ (see Figure 3)

<400> 198  
 cagctcactg caggctccgc ctcccgggtt cagccattt tcttgctca gcctccccag 60  
 tagctgggac tacaggcgcc catcaccatg cccagctaatt ttttgtattt ttagcaaaga 120  
 cagggtttca ccatgttagc caggatggtc tcgatctcct gacctcctga tccacctgcc 180  
 tcggcctccc 190

<210> 199  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from pk0301\_M39-14-----BD (see Figure 3)

<400> 199  
 aagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgcctca gccttctgag 60  
 tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120

caggattctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga 180  
 tttggcctcc c 191

<210> 200  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK0301\_M37-14+++ (see Figure 3)

<400> 200  
 cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag 60  
 tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120  
 caggattctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga 180  
 tttggcctcc c 191

<210> 201  
 <211> 190  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK0301\_M37-11+++ (see Figure 3)

<400> 201  
 cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctatgcctta gccttctgag 60  
 tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac 120  
 caggattctt catgttgata aggcgggttct tgaactcctg acctcacatg atccatttga 180  
 tttggcctcc 190

<210> 202  
 <211> 190  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from RevCompSZB\_M37-6+++ (see Figure 3)

<400> 202



```

cagctcactg gcagtctcaa ttttccaagt tcaaggtgat tatcccatct cagcctcccg      60
agtagctgaa actacaggtg catactacca cgcctagcta attttttttt gtagagatgg      120
ggttttggcc atgttgccca ggctgctctc gaacttctgg gcacaagtgg tccaccacc      180
ttggcctccc                                         190

```

```

<210> 203
<211> 191
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from RevCompPK1401_mM-17+++ (see Figure 3)

```

```

<400> 203
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag      60
tagctaggat gacaagcatt tgccatgata cctggctaata tttgtagttt tagtagagac      120
caggattctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga      180
tttggcctcc c                                         191

```

```

<210> 204
<211> 191
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from RevCompPK1601mM-33+++ (see Figure 3)

```

```

<400> 204
cagctcaccg aaacctccgc ctcacaggtt caagtgattc ctctgcctca gccttctgag      60
tagctaggat gacaagcatt tgccatgata cctggctaata tttgtatttt tagtagagac      120
caggattctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga      180
tttggcctcc c                                         191

```

```

<210> 205
<211> 191
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<223> Alu sequence cloned from RevCompPK1601mM-39+++ (see Figure 3)

```

<400> 205
cagctcaccg aaacctccgc ctcacagggt caagtgattc ctctgectca gccttctgag      60
tagctaggat gacaagcatt tgccatgata cctggctaatt tttgtatttt tagtagagac      120
caggattctt catgttgata aggtgggttct tgaactcctg acctcagatg atccatctga      180
tttggcctcc c                                                                191

```

```

<210> 206
<211> 426
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from CUTPK1601_mM-1_m57-6 (see Figure 3)

```

```

<400> 206
gaaccacccat tacgccaaact ctaatacgac tcactatagg gaaagctcgg taccacgcat      60
gctgcagacg cgttacgtat cggatccaga attcggggatt ggaggggtgtt tgcacaatct      120
cagctcactg caggctccgc ctcccgggtt cagccattc tcctgectca gcctcccagag      180
tagctggggac tacaggcgcc caccaccatg ccagcgaat ttttgtattt ttagcagaga      240
cgggggtttca ccatgttggc caggatgggt tccaaactcc tgacctcctg agacacctgt      300
gtcgggggtcc caaactgtgg gagtacaggc aactctgaat ttttggacaa gactcttcga      360
gcctatgcta ctatctacac cacaccgctg gggggcccca gctcggggcc gctgtattat      420
ataata                                                                426

```

```

<210> 207
<211> 419
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from CUTPK1601mM-57+++ (see Figure 3)

```

```

<400> 207
catctatgac atgattgccc cgattctcca agctctaatt ctactgaatg ttcggaacgc      60
tccatccacg catgocgtaa acgctttact cctcgggttc agaatgcggg attgcctgta      120

```

```

cttccatcag ttagggaggc caaatcctac ggatcatatg aggctatgag accaagaccc      180
accttatcaa catgaagaat cctgggtctct actaaaaata caatattagc caggtttcat      240
ggatatatgct tgtaatccta gctactcaca aggctgaggc agaggaatta cttgaacctg      300
tgaggcggag gtttcggtga gctgagattg tccaaacacc ctccaatctg aattcggtga      360
caagcttttc gagcctaggc tagctctaga ccacacgtgt gggggcccca gctcgcggt      419

```

&lt;210&gt; 208

&lt;211&gt; 380

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Alu sequence cloned from CUTPK1601mM-55+++ (see Figure 3)

```

<400> 208
acgttgccctg ttgcgagtta tcgctacttg ggaagtcgtc ccatctgagc cgtcgatcga      60
tccagaatcg gattggaggt gttgccaaaca ttgagtcact gcagctttga cctcctgagt      120
gcatgtggct tattccacct caacctcctg aggagttggg accaccagtg ttcaacacca      180
catcaggcta atttaatat ttgtagaaat gaagacttac tattatgtcc aggctagtat      240
taaaatactg gggttaagca agactcccc cttgttggtc ccaaagctg gggggacaac      300
aggtattgat ttttcgacaa gcttcttcga gcctccgatg gttctataca ccacacgtgg      360
ggcccagagct ctgcgcgctg      380

```

&lt;210&gt; 209

&lt;211&gt; 192

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Alu sequence cloned from utPK1601mM-39+++ (see Figure 3)

```

<400> 209
gggaggccaa atcagatgga tcacttgagg tcaggagttc aagaaccacc ttatcaacat      60
gaagaatcct ggtctctact aaaaatacaa aattagccag gtatcatggc aaatgcttgt      120
catcctagct actcagaagg ctgaggcaga ggaatcactt gaacctgtga ggcggaggtt      180
tcggtgagct ga      192

```

<210> 210  
 <211> 211  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from CutPK1601mM-37+++ (see Figure 3)

<400> 210  
 gggagggtgt tttgcacaat ctcagctcac cgcaaccttt gcctcacggg ctcaagtgat 60  
 tctcatgctt gatcctacca agtagctggg attacaggca catgccatca tgctgagcta 120  
 actttggtat ttttggtaga gacgagggtt caccatgttg gccaggctgt ctcaaactcc 180  
 tgacctcaga tgatccgtcc acctcagcct c 211

<210> 211  
 <211> 193  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from CutPK1601mM-33+++ (see Figure 3)

<400> 211  
 tgggaggcca aatcagatgg atcatctgag gtcaggagtt caagaaccac cttatcaaca 60  
 tgaagaatcc tggctcttac taaaaatata aaattagcca ggtatcatgg caaatgcttg 120  
 tcctcctagc tactcagaag gctgaggcag aggaatcact tgaacctgtg aggcggaggt 180  
 ttcggtgagc tga 193

<210> 212  
 <211> 141  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from CutPK1601\_mM-31+++ (see Figure 3)

<400> 212  
 tcagcttact gcaacctttg cttcccagtt tcaagtgatt ctctgtctc atgctccaga 60  
 gaacccggta ctacaggcac acgccacat gctcggctaa taatttatgt tcttagaata 120  
 gagattgggtt ttcaccgatt t 141

<210> 213  
 <211> 193  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from CutPK1401\_mM-17+++ (see Figure 3)

<400> 213  
 tgggaggcca aatcagatgg atcatctgag gtcaggagtt caagaaccac cttatcaaca 60  
 tgaagaatcc tgggtctctac taaaactaca aaattagcca ggtatcatgg caaatgcttg 120  
 tcacacctagc tactcagaag gctgaggcag aggaatcact tgaacctgtg aggcggaggt 180  
 ttcggtgagc tga 193

<210> 214  
 <211> 221  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from CutPK1401\_mM-2\_1+++ (see Figure 3)

<400> 214  
 tcagctcact gcaacctcac ctcccgggtt caagtgattc tcctgcctca gcctcccaag 60  
 tagctgcgat tacaggcatc cgccaccaca cccaactaat tttgtatttt tagtagagac 120  
 aggtttttctc catgttggtc aggctagtct cgaattcctg acctcaggtg atctgcctgc 180  
 cttggcttcc caaagtgctg ggattacagg cgtgagccac t 221

<210> 215  
 <211> 239  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from CutPK1401\_mM-2\_2+++ (see Figure 3)

<400> 215  
 gagacggagt ctgcgtgtgt cccccaggct ggagtacaat ggcattgatct cggctcactg 60  
 caacctctgc ctcccagggt tcaagcgatt ttctgcctc agcctcccca gtagctggga 120

ttacaggcac ccaccaccgt gccagctaa tttttgtatc tttaatagag atgggggttc 180  
 accatcttgg ccaggctggg cttgaactcc tgacctcatg atccaccac ctcagtctc 239

<210> 216  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from CutSZB\_M37-6+++ (see Figure 3)

<400> 216  
 tgggaggcca aggtgggtgg accacttggt cccagaagtt cgagagcagc ctgggcaaca 60  
 tggccaaaac cccatctcta caaaaaaaaaa ttagctaggt gtggtagtat gcacctgtag 120  
 tttcagctac tcgggagggt gagatgggat aatcaccttg aacttggaag attgagactg 180  
 ccagtgagct ga 192

<210> 217  
 <211> 189  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from CutSZB\_M37-3+++ (see Figure 3)

<400> 217  
 tgccgggact tcgaaccgtc tgggctgcct gaaagcttgg actaccaggg gtaagcggtt 60  
 caggggcctc attatcaaca ggaactgtga tgacatgtac taacaacact gcccaggctcg 120  
 ggtttgatgg caaatgcagg acatacaaaa tactaatatg gctgcagggc tggaatcaat 180  
 cgaacgtgg 189

<210> 218  
 <211> 390  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK37-9RfWithM13R (see Figure 3)

<400> 218

```

gcgagaaagg aagggaaagaa agcgaaagga gcgggcgcta gggcgctggc aagtgtagcg      60
gtcacgctgc gcgtaaccac cacacccgcc gcgcttaatg cgccgctaca gggcgcgctcc      120
attcgccatt caggctgcgc aactgttggg gaagggcgat cggcgcgggc ctcttcgcta      180
ttacgccagc tggcgaaagg gggatgtgct gcaaggcgat taagttgggt aacgccaggg      240
ttttcccagt cacgacgttg taaaacgacg gccagtgaat tgtaatacga ctactatag      300
ggcgaattgg gccctctaga tgcattgctcg agcgggccgcc agtgtgatgg atatctgcag      360
aattcggttt gcctgtactc ccagcagttt      390

```

```

<210> 219
<211> 310
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-4RfWithM13R (see Figure 3)

```

```

<400> 219
ccacaccgc cgcgcttaat gcgccgtac agggcgcgtc cattcgccat tcaggctgcg      60
caactgttgg gaagggcgat cggcgcgggc ctcttcgcta ttacgccagc tggcgaaagg      120
gggatgtgct gcaaggcgat taagttgggt aacgccaggg ttttcccagt cacgacgttg      180
taaaacgacg gccagtgaat tgtaatacga ctactatag ggcgaattgg gccctctaga      240
tgcattgctcg agcgggccgcc agtgtgatgg atatctgcag aattcggttt gcctgtactc      300
ccagcagttt      310

```

```

<210> 220
<211> 250
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-9RrWithM13R (see Figure 3)

```

```

<400> 220
gcctgtactc ccagcagttt gagaggccaa gatgggtgga tcacttgagg tctagagctc      60
aagaccagcc tggcgacatg gtgaaacccc atctctacta aaaatataaa aatcagccag      120
gtgtgggtgg gggcacctgt aaccccagct actcaggagg ctgaggaagc cgaattccag      180

```

cacactggcg gccgttacta gtggatccga gctcgggtacc aagcttggcg taatcatggt 240  
 catagctggt 250

<210> 221  
 <211> 310  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK39-4RrWithM13R (see Figure 3)

<400> 221  
 gcctgtactc ccagcagttt gagaggccaa atcagatgga tcatctgagg tcaggagttc 60  
 aagaaccacc ttatcaacat gaagaatcct ggtctctact aaaaatacaa aattagccag 120  
 gtatcatggc aaatgcttgt catcctagct actcagaagg ctgaggcaga ggaatcactt 180  
 gaacctgtga ggcggaggtt tcggtgagct gagattgtgc aaacaccaag ccgaattcca 240  
 gcacactggc ggccgttact agtggatccg agctcgggtac caagcttggc gtaatcaggt 300  
 catagctggt 310

<210> 222  
 <211> 549  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK34-6rwithM13R (see Figure 3)

<400> 222  
 gcctgtactc ccagcagttt tgagaggtca aggaaggagg atcagttgag tccgggagtt 60  
 tgagatgagc ctgggcaaca tggcaaaacc tcgtctctac aaaaaataca aaaaaagtaa 120  
 gccgggcatg gtggagaggc tattcggcta tgactgggca caacagacaa tcggctgctc 180  
 tgatgccgcc gtgttcgggc tgtcagcgca ggggcgccc gttctttttg tcaagaccga 240  
 cctgtccggt gccctgaatg aactgcagga cgaggcagcg cggctatcgt ggctggccac 300  
 gacgggcggt ccttgccgag ctgtgctcga cgttgtcact gaagcgggaa gggactggct 360  
 gctattgggc gaagtgcccg ggcaggatct cctgtcatcc caccttgctc ctgccgagaa 420  
 agtatccatc atggctgatg caatgcccgc gctgcatacg cttgatcccg ctacctgccc 480



attcgaccac caagcgaaac atcgcatcga gcgagcacgt actcggatgg aagccgggtct 540  
 tgtcgatca 549

<210> 223  
 <211> 604  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK37-1withM13R (see Figure 3)

<400> 223  
 aacagctatg acctgattac gccaaagcttg gtaccgagct cggatccact agtaacggcc 60  
 gccagtgtgc tggaattcgg cttgcctgta ctcccagcag tttgggagggc caaatcagat 120  
 ggatcatctg aggtcaggag ttcaagaacc accttatcaa catgaagaat cctgggtctct 180  
 actaaaaata caaaattagc caggtatcat ggcaaatgct tgtcatccta gctactcaga 240  
 aggctgagggc agaggaatca cttgaacctg tgaggcggag gtttcgggtga gctgagattg 300  
 tgcaaacacc ctccaagccg aattctgcag atatccatca cactggcgggc cgctcgagca 360  
 tgcatctaga gggcccaatt cgccctatag tgagtogtat tacaattcac tggccgtcgt 420  
 tttaacaagt cgtgactggg aaaaccctgg cgttcccaac ttaatcgctt tgcagcacat 480  
 ccccttttcg cagctggcgt aatagcgaag aggcccgcac cgatcgccct tcccaacagt 540  
 tgcgcagcct gaatggcgaa tggacgcgcc ctgtagcggc gcattaagcg cggcgggtgt 600  
 ggtg 604

<210> 224  
 <211> 521  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK37-1rwithM13R (see Figure 3)

<400> 224  
 gcctgtactc ccagcagttt gggaggccaa atcagatgga tcattctgagg tcaggagtgc 60  
 aagaaccacc ttatcaacat gaagaatcct ggtctctact aaaaatacaa aattagccag 120  
 gtatcatggc aaatgcttgt catcctagct actcagaagg ctgaggcaga ggaatcactt 180

```

gaacctgtga ggcggagggt tcggtgagct gagattgtgc aaacaccctc caagccgaat      240
tctgcagata tccatcacac tggcgggcgc tcgagcatgc atctagaggg cccaattcgc      300
cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa      360
accctggcgt tcccaactta atcgcccttc agcacatccc ctttcgcag ctggcgtaat      420
agcgaagagg cccgcaccga tcgcccttcc caacagttgc gcagcctgaa tggcgaatgg      480
acgcgccctg tagcggcgca ttaagcgcg cggtgtggt g                                521

```

```

<210> 225
<211> 531
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from PK34-2withM13R (see Figure 3)

```

```

<400> 225
gcctgtactc ccagcagttt gggaggccga ggcgggcaga ttgcctgagc tcaggagttc      60
gaaaccagcc tggacaacac ggtgaaaccc tgtctctact aaaaatacaa aaaattagcc      120
agacgtggtg gtgcatgcct gtagtcccag ctagtcagga ggctgaggca ggagaatcac      180
ttgaaccag caggaaaagg ttgtggtgag ctgagattgt gcaaacaccc tccaagccga      240
attctgcaga tatccatcac actggcgccc gctcgagcat gcatctagag ggcccaattc      300
gccctatagt gagtcgtatt acaattcact ggccgtcggt ttacaacgtc gtgactggga      360
aaaccctggc gttaccaaac ttaatgcct tgcagcacat tcccctttcg ccagctggcg      420
taatagctaa gagggccgca ccgatcgctc cttcccaaca gttgcgcagc ctgaatggcg      480
aatggacgcg ccctgtagcg gcgcattaag cgcggcggt gtggtggtta c                    531

```

```

<210> 226
<211> 346
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from PK34-7withM13R (see Figure 3)

```

```

<400> 226
ggaggggtgt tgcacaatct cggcttactg caacctccac tcctgggctt aaacggtcct      60

```

```

cccacctcat cttcccgagt agcaggggtcc acaggtgcac accaccatgc ctggctatat 120
tttttttttt tttggatttt tgataaagac aggatgtcaa catgttgccc acgctgggtct 180
tcaacccttt gaactcaaat tcatctgctt ctgcctccca aactgggtggg agtcttgagg 240
tgggcgaacc acctgatgtt acgaatatga gacttttcgg cctgattccg gccaaactct 300
cgtcttattt tttataatct aataaatccc atctaggggc taggggt 346

```

```

<210> 227
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (49)..(49)
<223> n is a, g, c, or t

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from PK34-8withM13R (see Figure 3)

```

```

<400> 227
ggaggggtgtt tgcacaatct cagctcacccg aaacctccgc ctcacaggnt caagtgatcc 60
ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctgggctaatt 120
tttgtacttt tagtagagac caggattctt catgttgata aggtgggttct tgaactcctg 180
acctcagatg atccatctga tttggcctcc caaactgctg ggagtacagg caagccgaat 240
tctgcagata tccatcacac tggcgggccgc tcgagcatgc atctagaggg cccaattcgc 300
cctatagtga gtcgtattac aattcactgg ccggcggtttt acaacgtcgt gactgggaaa 360
accctggcgt tacccaactt aatcgcttg cagcacatc 399

```

```

<210> 228
<211> 429
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from PK34-9withM13R (see Figure 3)

```

```

<400> 228
gcctgtactc ccagcagttt gggaggtcaa ggtggagaga tcacttgagg tcaggagttc 60

```

```

gagaccagcc taaccaatat gatgaaaccc catctctact aaaaatacaa aaattagccg      120
ggcgtggtgg tgcgcacctg taatcccagc tactcaggag gctgaggcag gagaattgct      180
tgaaccaggg agtcggaggt tgcagtaagc caagattgtg caaacaccct ccaagccgaa      240
ttctgcagat atccatcaca ctggcgggcg ctcgagcatg catctagagg gcccaattcg      300
ccctatagtg agtcgtatta caattcactg gccgtcgttt tacaacgtcg tgactgggaa      360
aaccctggcg ttaccaact taatcgctt gcagcacatc cccctttcgc cagctggcgt      420
aatagcgaa                                         429

```

```

<210> 229
<211> 357
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-3.1withM13R (see Figure 3)

```

```

<400> 229
cctgtactcc cagcagtttg gaagtggatc acttgaggcc agggactcaa gaccaacctg      60
gccaatatgg caaaacccgg ctaaaaatac aaaaattagc tggacatggt tgcaggtgcc      120
tgtaatccca gctactcggg aggttgtggc atgagaatca cttgaacctg ggaggcagag      180
gctgcagcga gcagagattg tgcaaacacc ctaagccgaa ttctgcagat atccatcaca      240
ctggcgggcg ctcgagcatg catctagagg gcccaattcg cccctatagt gagtcgcatt      300
acaatttact ggcccgtcgt tttacaaccg tcccgaactg gaaaaccctg gcgttac      357

```

```

<210> 230
<211> 517
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-7withM13R (see Figure 3)

```

```

<400> 230
gcctgtactc ccagcagttt gggaggccaa atcagatgga tcacttgagg tcaggagttc      60
aagaaccacc ttatcaacat gaagaatcct ggtctctact aaaaatacaa aattagccag      120
gtatcatggc aaatgcttgt catcctagct actcagaagg ctgaggcaga ggaatcactt      180

```

```

gaacctgtga ggcgagggtt tcggtgagct gagattgtgc aaacaccctc caagccgaat      240
tctgcagata tccatcacac tggcgggcgc tcgagcatgc atctagaggg cccaattcgc      300
cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa      360
accctggcgt tacccaactt aatcgccctg cagcacatcc ccctttcgcc agctggcgta      420
atagcgaaga ggccgcacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat      480
ggacgcgccc tgtagcggcg cattaagcgc ggcgggt                                517

```

<210> 231

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from PK39-2withM13R (see Figure 3)

<400> 231

```

gcctgtactc ccagcagttt gggaggctga ggcgggttga tcacaagggtt aggagtttga      60
ggccagcctg gccataaga tgaaacccca tctgtactaa aaatacaaaa attagccaaa      120
cgtggtggtg ggcacctgta gtcccagcta cttgggaggg tgaggcaaaa aaattgcttg      180
aacctgggag gcggagggtg cagcgagctg agattgtgca aacaccctcc aagccgaatt      240
ctgcagatat ccatcacact ggcggcgcgt cgagcatgca tctagagggc ccaattcgc      300
ctatagttag tcgtattaca attcactggc cgtcgtttta caacgtcgtg actgggaaaa      360
ccctggcggtt acccaactta atcgcccttg agcacatccc cctttcgcca gctggcgtaa      420
tagcgaagag gcccgcaccg atcgcccttc caacagttgc gcagcctgaa tggcgaatgg      480
acgcgccctg tagcggcgca ttaagccccg gcgggtgtgg tggttacgcg cagcgtgacc      540
gtacacttg ccagcgccct agcgcc                                566

```

<210> 232

<211> 522

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from BD43-13 (see Figure 3)

<400> 232

```

gcctgtactc ccagcagttt gggaggccga ggtgggcgga tggcctgaag ccaggagttt      60
gagactagcc tggcctacat ggtgaaaacc tgtctctact aaaaatacaa taattagccg      120
gacatgggtga cacctataat accagctact cggaagctg agccatgaga attgcttgaa      180
cccgaaggt ggaggttgca gtgagctgag attgtgcaaa caccctccgg ctgggtgtgg      240
eggaccgcta tcaggacata gcgttggtta cccgtgatat tgctgaagag cttggcgccg      300
aatgggctga ccgcttcctc gtgctttacg gtatcgccgc tcccgattcg cagcgcatcg      360
ccttctatcg ccttcttgac gagttcttct gaattgaaaa aggaagagta tgagtattca      420
acatttcctg gtgcgcccta ttcccttttt gcggcatttt gccttcctgt tttgctcacc      480
caciaaccct ggtgaaagta aaagatgctg aagatcagtt gg                          522

```

&lt;210&gt; 233

&lt;211&gt; 374

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Alu sequence cloned from BD43-18withM13R (see Figure 3)

&lt;400&gt; 233

```

gcctgtactc ccagcagttt gggaggccaa agcggacgga tcatatgagg tcgagagtcc      60
aagaaccatg ttatcaatgt gaaaaatctg ggtctatact aaaaacacaa atttaccag      120
ggttgatgga agatgctggg catcctaatt cctcagaagg ctgaggcaga ggaatcattt      180
gaacctggga ggcggacgtt caggggacct gaaatggggc aaccaccttc aaagccgaat      240
tttgcaaatt tccataacat ggggggcgcg ttcaaccttg cttttaaagg gccattttcc      300
cttatatgga gtcgatttac aattaacggg cggtcgtttt acacctttgg atgggaaaaa      360
ccctgcgtac ccca                          374

```

&lt;210&gt; 234

&lt;211&gt; 499

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Alu sequence cloned from Ctrlm57-7withM13R (see Figure 3)

&lt;400&gt; 234

```

acaatcgggt gctctgatgc cgccgtgttc cggctgtcag cgcaggggcg cccggttctt      60
tttgtcaaga ccgacctgtc cggtgccctg aatgaactgc aggacgaggc agcgcggcta      120
tcgtggctgg ccacgacggg cgttccttgc gcagctgtgc tcgacgttgt cactgaagcg      180
ggaagggact ggctgctatt gggcgaagtg ccggggcagg atctcctgtc atcccacctt      240
gctcctgccg agaaagtatc catcatggct gatgcaatgc ggcggtgca tacgcttgat      300
ccggctacct gccattcga ccaccaagcg aaacatcgca tcgagcgagc acgtactcgg      360
atggaagccg gtcttgtcga tcaggatgat ctggacgaag agcatcaggg gctcgcgcca      420
gccgaactgt tcgccaggct caaggcgcgc atgcccgcgc gcaggatctc gtcgtgacca      480
tggcgatgcc tgcttgcca                                          499

```

<210> 235

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from pk50-26withM13R(-46) (see Figure 3)

```

<400> 235
ttaaaaccga aatgccatga tacgccaagc ttggtaccga gctacggacc cactagctaa      60
cggccgcgag tgtgcctgac ctcttatccc tgcaacgatat ccactcacac tgctggctgt      120
ccgtgcatgc atctaccggg ctcaattcgc cctatagtga gtcggattac aattcactgg      180
ccgtcgtttt acaacgtcgt gactgggaaa accctgggtgt tacccaactt aatcgccttg      240
cagcacatcc ccctttcgcc agcttggcgc aaagcgaag aggcacgct ccgacgccc      300
tttccaacag cttgcgcagc cagaatggct aatggacgcg ccctgtctcc ggccgcatta      360
atccgcggcg ggtgtggcgg ttaccccgca gcagtg                                          396

```

<210> 236

<211> 468

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from PK34-1withM13R (see Figure 3)

<400> 236

```

ggaggggtggt tgcacaatct ggaggggtggt tgcacaatct cggctcacca caacctctac      60
ctcccagggtt caagcaattc tgcctcagcc tccaagtag ctgggactac aggcgtgcac      120
caccacacct ggctaatttc tgtattttta gtagaaacag ggtttcacca tgttggccag      180
gctgggtctcg aactcctgac cttgtgatcc gcctaccttg gctttccaaa ctgctgggag      240
tacaggcaag ccgaattctg cagatatcca tcacactggc ggccgctcga gcatgcatct      300
agagggccca atccgcccta tagtgagtcg tattacaatc cactggccga agtttacaac      360
ggcgtgactg ggaaaaccct ggcgttacct aacttaatcg ccttgacgca catccccctt      420
tcgccagctg gcgaaatagc gaagaggccc gcaccgatcg cccttccc      468

```

<210> 237  
 <211> 517  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK34-3withM13R (see Figure 3)

```

<400> 237
ggaggggtggt tgcacaatct ctgctcacta caacttctac ctcccaggct caagcaatcc      60
tcccatgtag ctgggaccac aggtgtgcac caccatgcc a gctaatttt tgtatttttt      120
tgtagagtga ggtttcacca tattgccag gttggtcttg aactcctaag ctcaagcaat      180
ccacctgcct cagcttctca aactgctggg agtacaggca agccgaattc tgcagatata      240
catcacactg gcggcgcgtc gagcatgcat ctagagggcc caattcgccc tatagtgagt      300
cgtattacaa ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac cctggcggtta      360
cccaacttaa tcgccttgca gcacatcccc ctttcgccag ctggcgtaat agcgaaaagg      420
cccgacccga tcgcccttcc caacagttgc gcagcctgaa tggcgaatgg acgcgccctg      480
tagcggcgca ttaagcgcgg cgggtgtggt ggttacg      517

```

<210> 238  
 <211> 529  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK34-4withM13R (see Figure 3)



<400> 238  
 ggaggggtggt tgcacaatct cggctcatgg caccctcgc ctcccagatt caaatgatac 60  
 tcctgcctca gcctcctgag tagctgggat tacatgcatg cgccaccatg cccagctaata 120  
 tttttgtatt tttagtagag acgggggttc accatgttgg ccagactaga cttgaactcc 180  
 tgacctcgtg atccaccac ctcaacctcc caaactgctg ggagtacagg caagccgaat 240  
 tctgcagata tccatcacac tggcgggcgc tcgagcatgc atctagaggg cccaattcgc 300  
 cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 360  
 accctggcgt tacccaactt aatgccttg cagcacatcc ccccttcgcc agctggcgta 420  
 atagcgaaaa ggcccgcacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat 480  
 ggacgcgccc tgtagcggcg cattaagcgc ggcggtgtg gtggttacg 529

<210> 239  
 <211> 436  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK34-5withM13R (see Figure 3)

<400> 239  
 ggaggggtggt tgcacaatct cagctcaccg aaacctccgc ctcacagggt caagtgatcc 60  
 ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaata 120  
 tttgtatatt tagtagagac caggattctt catgttgata aggtgggtct tgaactcctg 180  
 acctcagatg atccatctga tttggcctcc caaactgctg ggagtacagg caagccgaat 240  
 tctgcaaata tccatcacac tggcgggcgt tcgagcatgc atctaaaggg cccaattcgc 300  
 cctatagggtg agtcgtatta caattcactg gccgtcgttt tacaacgtcg tgactgggaa 360  
 aaccctggcg ttaccctaact taatgcctt gcagcacatc ccccttcgcc cagctggcgt 420  
 aatagcgaag aggccc 436

<210> 240  
 <211> 521  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK37-1withM13R (see Figure 3)

```

<400> 240
gcctgtactc ccagcagttt gggaggccaa atcagatgga tcctctgagg tcaggagttc      60
aagaaccacc ttatcaacat gaagaatcct ggtctctact aaaaatacaa aattagccag      120
gtatcatggc aaatgcttgt catcctagct actcagaagg ctgaggcaga ggaatcactt      180
gaacctgtga ggcggagggt tcggtgagct gagattgtgc aaacaccctc caagccgaat      240
tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc      300
cctatagtga gtctgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa      360
accctggcgt tcccaactta atcgccttgc agcacatccc cctttcgcag ctggcgtaat      420
agcgaagagg cccgcaccga tcgcccttcc caacagttgc gcagcctgaa tggcgaatgg      480
acgcgccttg tagcggcgca ttaagcgcgg cgggtgtggt g                          521

```

```

<210> 241
<211> 482
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from PK37-2withM13R (see Figure 3)

```

```

<400> 241
ggagggtggt tgcacaatct cagctcattg caacttccag ctcccagggt caagcgattc      60
tccttctctca gcctcccaag tagttgggat tacaggcatg caccatcatg cccggctaata      120
ttttgtattt ttagtagaga cagggtttca ccatattggc caggctggtc ttgaactcct      180
gacctcgtgt tccaccacc tcagcctccc aaactgctgg gagtacaggc gaattctgca      240
gatatccatc aactggcgg ccgctcgagc atgcatctag agggcccaat tcgccctata      300
gtgagtcgta ttacaattca ctggccgtcg ttttacaacg tcgtgactgg gaaaaccctg      360
gcgttaccga acttaatgc cttgcagcac attccctttc gccagctggc gtaatagcga      420
agaggcccg cccgatcgcc cttcccaaca gttgcgcagc ctgaatggcg aatggacgcg      480
cc                                                                482

```

```

<210> 242
<211> 525
<212> DNA
<213> Homo sapiens

```

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Alu sequence cloned from PK37-4withM13R (see Figure 3)

&lt;400&gt; 242

```

ggaggggtgtt tgcacaatct cagctcattg caacctccca ggttcaagcg attctcctgc      60
ctcagcctcc tgagtagctg ggatcacagg tgtgtgccac cattcctggc taatttttgt      120
atttctagta gagatgggggt ttaccatgt tggtcaggct ggtctcaaac tcctgacctc      180
atgatctgcc caccttggcc tcccaaactg ctgggagtag aggcaagccg aattctgcag      240
atatccatca cactggcggc cgctcgagca tgcattctaga gggcccaatt cgccctatag      300
tgagtcgtat tacaattcac tggccgtcgt ttacaacgt cgtgactggg aaaaccctgg      360
cgttacccaa cttaatcgcc ttgcagcaca tcccccttcc gccagctggc gtaatagcga      420
agaggcccgcc accgatcgcc ctttcccaac agttgcgcag cctgaatggc gaatggacgc      480
gccctgtagt cggcgcatca agcgcggcgg gtgtggtggt tacgc                        525

```

&lt;210&gt; 243

&lt;211&gt; 465

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Alu sequence cloned from PK37-5withM13R (see Figure 3)

&lt;400&gt; 243

```

ggaggggtgtt tgcacaatct cagctcacta caacctctgc ctcccagggt caagcgattc      60
tcatgcctcg gcttctcaag ttgctgggac tacgggcaca cgccagcacg gctggctaatt      120
ttttgtatct ttagtagaga cagggtttca ccgtcttggc catgctggtc tcaaactcct      180
gacctcatga tccaccgccc ttggcctccc aaactgctgg gagtacaggc aagccgaatt      240
ctgcagatat ccatcacact ggcgggccgct cgagcatgca tctagagggc ccaattcgcc      300
ctatagttag tcgtattaca atttactggc cgtcgtttta caacgtcgtg actgggaaaa      360
cccctggcgt tacccaactt aatgccttg cagcacatcc ccctttcgcc agctggcgta      420
atagcgaaga ggcccgccacc gatcgccctt cccaacagtt gcgcc                        465

```

&lt;210&gt; 244

&lt;211&gt; 531

&lt;212&gt; DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from PK37-6withM13R (see Figure 3)

<400> 244

```

ggaggggtgtt tgcacaatct cagctcaccg aaacctccgc ctcacagggt caagtgattc      60
ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctgggctaatt    120
tttgtatttt tagtagagac caggattctt catgttgata aggtgggttct tgaactcctg      180
acctcagatg atccatctga tttggcctcc caaactgctg ggagtacagg caagccgaat      240
tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc      300
cctatagtga gtctgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa      360
accctggcgt tacccaactt aatcgccctg cagcacatcc ccccttcgcc agctggcgta      420
atagcgaaga ggcccgccacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat      480
ggacgcgccc tgtagcgcg cattaagcgc ggcgggtgtg gtggttacgc g                    531

```

<210> 245

<211> 517

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from PK37-8withM13R (see Figure 3)

<400> 245

```

ggaggggtgtt tgcacaatct ttgctcactg caatctccac ctcccgggtt caagtgattc      60
tcctgcctca gactgctgaa tacttgggat tacaggcacc cgccaccaca ccttgctaatt    120
tttttggatt tttaatagag atgggggttc accatgtcaa ccaggctggt cttgaactcc      180
tgaccttagg tgatccaccc acctcagcct cccaaactgc tgggagtaca ggcaagccga      240
attctgcaga tatccatcac actggcggcc gctcgagcat gcacttagag ggcccaattc      300
gccctatagt gagtcgtatt acaattcact ggccgtcgtt ttacaacgtc gtgactggga      360
aaaccctggc gttaccaaac ttaatcgctt tgcagcatat ccccttttcg ccagctggcg      420
taatagcgaa gaggcccgca ccgatcgccc ttcccaacag ttgcgcagcc tgaatggcga      480
atggacgcgc cctgtagcgg cgcattaagc gcggcgcg                                517

```

<210> 246  
 <211> 620  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK37-9withM13R (see Figure 3)

<400> 246  
 aacagctatg accatgatta cgccaagctt ggtaccgagc tcggatccac tagtaacggc 60  
 cgccagtgtg ctggaattcg gcttcctcag cctcctgagt agctgggggtt acaggtgccc 120  
 accaccacac ctggctgatt tttatatattt tagtagagat ggggtttcac catgtcgcca 180  
 ggctgggtctt gagctctaga cctcaagtga tccaccatc ttggcctctc aaactgctgg 240  
 gagtacaggc aagccgaatt ctgcagatat ccatcacact ggcgcccgct cgagcatgca 300  
 tctagagggc ccaattcgcc ctatagttag tcgtattaca attcactggc cgtcgtttta 360  
 caacgtcgtg actgggaaaa ccctggcggtt acccaactta atcgcccttc agcacatccc 420  
 cctttcgcca gctggcgtaa tagcgaagag gcccgccacg atcgcccttc cccaacagtt 480  
 gcgcagcctg aatggcgaat ggacgcgccc tgtagcggcg cattaagcgc ggcgggtgtg 540  
 gtggttacgc gcagcgtgac cgctacactt gccagcgcgc tagcgccgc tcctttcgt 600  
 ttcttccctt cctttctcgc 620

<210> 247  
 <211> 394  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK37-26withM13R (see Figure 3)

<400> 247  
 ggaggggtgtt tgcacaatct cggctcacag tagcctctgc ctctgggggtt caagcgattc 60  
 tctgcctca gcctcccgag tagctgggat tacaggcatg cgccaccatg tccatctaatt 120  
 tttgtatttt tagtagagat ggggtttctc catgttggtc aggetgggtc cgaactccca 180  
 acctcaggtg atccaccgc cttggcctcc caaactgctg ggagtacagg caagccgaat 240  
 tctgcagata tccatcacac tggcgccgc tcgagcatgc atctagaggg cccaattcgc 300  
 cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgc gactgggaaa 360

accctgtcgt tacccaactc aatgccttg cagc

394

&lt;210&gt; 248

&lt;211&gt; 566

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Alu sequence cloned from PK39-3withM13R (see Figure 3)

&lt;400&gt; 248

```

ggagggtggt tgcacaatct tggctcactg caacctctgc ctctggggcc caagccatct      60
tcctacctca gtttcccgag tagctggact acaggtgtga gccatcacgc ccagccaatt      120
tttgtatfff tagtagagac gaggtttcac catgttggcc tggctggcct tgatctcttg      180
acctagtgat ctccccgcct cagcctctca aactgctggg agtacaggca agccgaattc      240
tgcagatatc catcacactg gcggccgctc gagcatgcat ctagagggcc caattcgccc      300
tatagtgagt cgtattacaa ttactggcc gtcgttttac aacgtcgtga ctgggaaaac      360
cctggcggtta cccaacttaa tcgccttgca gcacatcccc ctttcgccag ctggcgtaat      420
agcgaagagg cccgcaccga tcgcccttcc aacagttgcg cagcctgaat ggcgaatgga      480
cgcgccctgt agcggcgcat taaacgcggc ggggtgtggtg gttacgcgca gcgtgaccgc      540
tacacttgcc agcgccctag cgcccg                                         566

```

&lt;210&gt; 249

&lt;211&gt; 600

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Alu sequence cloned from PK39-4withM13R (see Figure 3)

&lt;400&gt; 249

```

aacagctatg acctgattac gccaagcttg gtaccgagct cggatccact agtaacggcc      60
gccagtgtgc tggaattcgg cttgggtgttt gcacaatctc agctcaccga aacctccgcc      120
tcacaggttc aagtgattcc tctgcctcag ctttctgagt agctaggatg acaagcattt      180
gccatgatac ctggctaatt ttgtatfff agtagagacc aggattcttc atgttgataa      240
ggtggttctt gaactcctga cctcagatga tccatctgat ttggcctctc aaactgctgg      300

```

gagtacaggc aagccgaatt ctgcagatat ccatcacact ggcgggccgct cgagcatgca 360  
 tctagagggc ccaattcgcc ctatagttag tcgtattaca attcactggc cgtcgtttta 420  
 caacgtcgtg actgggaaaa ccctggcggt acccaactta atcgcccttg agcacatccc 480  
 cctttcgcca gctggcgtaa tagcgaagag gcccgccacg atcgcccttc ccaacagttg 540  
 cgcagcctga atggcgaaatg gacgcgccct gtagcggcgc attaagcgcg gcgggtgtgg 600

<210> 250  
 <211> 527  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK39-6withM13R (see Figure 3)

<400> 250  
 ggaggggtgtt tgcacaatct cagctcaccg aaacctccgc ctcacagggt caagtgattc 60  
 ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctgggtaat 120  
 tttgtatttt tagtagagat ggggttttgc catgttgagg aggctgggtc caaactcctg 180  
 acctcaagtg atccccacc tcggcctccc aaactgctgg gagtacaggc aagccgaatt 240  
 ctgcagatat ccatcacact ggcgggccgct cgagcatgca tctagagggc ccaattcgcc 300  
 ctatagttag tcgtattaca attcactggc cgtcgtttta caacgtcgtg actgggaaaa 360  
 ccctggcggt acccaactta atcgcccttg agcacatccc cctttcgcca gctggcgtaa 420  
 tagcgaagag gcccgccacg atcgcccttc ccaacagttg cgcagcctga atggcgaaatg 480  
 gacgcgccct gtagcggcgc attaagcgcg gcgggtgtgg tggttac 527

<210> 251  
 <211> 526  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK39-7withM13R (see Figure 3)

<400> 251  
 ggaggggtgtt tgcacaatct ggaggggtgtt tgcacaatct cggctcacca caatctttgc 60  
 ctttcgggtt caagggattc tctgcctca gcctcccgag tagctgggat tacaggcatg 120

tgccaccaca cccggctaata gttgtagttt tagtagagac ggggtttctc tatgttggtt 180  
 aggctgggtct caaactcctg acctcaggtg atctaccgcg ctccggcctct caaactgctg 240  
 ggagtacagg caagccgaat tctgcagata tccatcacac tggcggccgc tcgagcatgc 300  
 atctagaggg cccaattcgc cctatagtga gtcgtattac aattcactgg cgtcgtttt 360  
 acaacgtcgt gactgggaaa accctggcgt tacccaactt aatgccttg cagcacatcc 420  
 ccctttcgcc agctggcgta atagcgaaga ggcccgacc gatcgccctt cccaacagtt 480  
 ggcagccct gaatggcgaa tggacgcgc ctgtagcggc gcatta 526

<210> 252  
 <211> 491  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK39-8withM13R (see Figure 3)

<400> 252  
 ggaggggtgtt tgcacaatct cagctcaccg aaacctccgc ctcacagggt caagtgattc 60  
 ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaata 120  
 tttgtatttt tagtagagat ggggttttgc catgttggcc aggctgggtct caaactcctg 180  
 acctcaagtg atccccacc tcggcctccc aaactgctgg gagtacaggc aagccgaatt 240  
 ctgcagatat ccatcacact ggccggccgt cgagcatgca tctagagggc ccaattcgcc 300  
 ctatagttag tcgtattaca attcactggc cgtcgtttta caacgtcgtg actgggaaaa 360  
 ccctggcggt acccaactta atgccttgc agcacatccc cctttcgcca gctggcgtaa 420  
 tagcgaagag gcccgccacc atgcgccttc ccaacagttg cgcagcctga atggcgaaatg 480  
 gacgcgcctt g 491

<210> 253  
 <211> 539  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from PK39-9withM13R (see Figure 3)

<400> 253



```

ggaggggtggt tgcacaatct cagctcattg caacctccac ctcccggggtt caagcaattc      60
ccctgcctca gcctcctgag tagctggaac tacaggcacg cgccaccacg tctgggtaaat      120
ttttttgtat ttttatagag atgggggtttt accatgtttg ccaggctggg cttaaactcc      180
tggggtcaag ctatccactc gccttggcct cccaaactgc tgggagtaca ggcaagccga      240
attctgcaga tatccatcac actggcggcc gctcgagcat gcatctagag ggcccaattc      300
gccctatagt gagtcgtatt acaattcact ggccgtcgtt ttacaacgtc gtgactggga      360
aaaccctggc gttacccaac ttaatgcct tgcagcacat cccctttcgc ccagctggcg      420
taatagcgaa gaggcccgca ccgatgcgc ttccaacagt tgcgcagcct gaatggcgaa      480
tggacgcgcc ctgtagcggc gcattaagcg cggcgggtgt ggtggttacg cgcagcgtg      539

```

```

<210> 254
<211> 541
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Alu sequence cloned from PK39-10withM13R (see Figure 3)

```

```

<400> 254
ggaggggtggt tgcacaatct cagctcaccg aaacctccgc ctcacagggtt caagtgatcc      60
ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctgggtaaat      120
tttgtatttt tagtagagac caggattctt catgttgata aggtggttct tgaactcctg      180
acctcagatg atccatttga tttggcctcc caaactgctg ggagtacagg caagccgaat      240
tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc      300
cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa      360
accctggcgt tacccaactt aatgccttg cagcacatcc ccctttcgcc agctggcgta      420
atagcgaaga ggcccgcacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat      480
ggacgcgccc tgtagcggcg cattaagcgc ggcgggtgtg gtggttacgc gcagcgtgac      540
c                                                                                   541

```

```

<210> 255
<211> 327
<212> DNA
<213> Homo sapiens

```

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Alu sequence cloned from PK39-12withM13R (see Figure 3)

&lt;400&gt; 255

```

ggaggggtggt tgcacaatct tggetcactg caacttttgc ctctggggtt caagcaattc      60
tcctgcctca gcctcccgag tagctgggac tataggcacg cgccatcacg ccgggttatt      120
ttgtattttt agtacagacg ggggtgtttac atgggtggta agctggggtt gaacttctga      180
cctcaagtga tcctgcccgc ctgggctttc caaactgctg ggagtacatg gcaagcccga      240
attctgcaga tatccatcac acctggcggc cgctcgagct tgcattctaga gggcccaatt      300
ccgcctatt ctgagtcgta tctacaa                                           327

```

&lt;210&gt; 256

&lt;211&gt; 416

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Alu sequence cloned from BD43-1withM13R (see Figure 3)

&lt;400&gt; 256

```

ggaggggtggt tgcacaatct cagctcaccg aaacctccgc ctcacagggtt caagtgattc      60
ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctgggctaatt      120
tttgattttt tagtagagac caggattctt catgttgata aggtgggttct tgaactcctg      180
acctcagatg atccatctga tttggcctcc caaactgctg ggagtacagg caagccgaat      240
tctgcagata tccatcacac tggcgggccgc tcgagcatgc atctagaggg cccaattcgc      300
cctatagtga gtccgtatta caattcactg gccgtcgttt tacaacgtcg tgactgggaa      360
aaccctggcg ttaccctaact taatcgctt gcagcacatc cccctttctg cacctg          416

```

&lt;210&gt; 257

&lt;211&gt; 567

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Alu sequence cloned from BD43-2withM13R (see Figure 3)

&lt;400&gt; 257

```

ggaggggtgtt tgcacaatct cagctcacccg aaacctccgc ctcacagggtt caagtgattc      60
ctctgcctca gccttctgag tagctaggat gacaagcatt tgccatgata cctggctaata      120
tttgtatttt tagtagagac caggattctt catgttgata aggtgggttct tgaactcctg      180
acctcagatg atccatctga tttggcctcc caaactgctg ggagtacagg caagccgaat      240
tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc      300
cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa      360
accctggcgt taccacaactt aatcgccctg cagcacatcc ccctttcgcc agctggcgta      420
atagcgaaga ggcccgacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat      480
ggacgcgccc tgtagcggcg cattaagcgc ggcggggtgtg gtggttacgc gcagcgtgac      540
cgctacactt gccagcgcgc tagcgcc                                     567

```

&lt;210&gt; 258

&lt;211&gt; 545

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Alu sequence cloned from BD43-6withM13R (see Figure 3)

&lt;400&gt; 258

```

ggaggggtgtt tgcacaatct ggggttcaag ggaagagtcc aggctgcaga taaagatttg      60
ggagttgtca gtatagcaat ttcattgttg ttattactgt tgttgttttg tagagatagg      120
gtctcactat gttgcccacg ctggtcttga actcctgagc tcaagcgatc ctctgcttc      180
agcctcccaa actgctggga gtacaggcaa gccgaattct gcagatatcc atcacactgg      240
cggccgctcg agcatgcac tagagggccc aattcgccct atagtgagtc gtattacaat      300
tactggccg tcgtttttaca acgtcgtgac tgggaaaacc ctggcggttac ccaacttaat      360
cgcccttcag cacatcccc tttcgccagc tggcgtaata gcgaagaggc ccgcaccgat      420
cgcccttcca acagttgcgc agcctgaatg gcgaatggac gcgccctgta gcggcgcat      480
aagcgcggcg ggtgtggtgg ttacgcgcag cgtgaccgct acacttgcca gcgccctagc      540
gcccg                                             545

```

&lt;210&gt; 259

&lt;211&gt; 531

&lt;212&gt; DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from BD43-8 (see Figure 3)

<400> 259

```

ggaggggtgtt tgcacaatct tggctcactg caacctccac ctgcagttc aagcaattct      60
tgtgccttag cctcctgaat agtagctggg attacgggcg tgtgccatca caccagcta      120
atTTTTgtat ttttagtaga gacagttgtc caggctggtc ttgaattcct ggcctcaaga      180
gatccgctgg ctttggcctc tcaaactgct gggagtacag gcaagccgaa ttctgcagat      240
atccatcaca ctggcgggcg ctcgagcatg catctagagg gcccaattcg ccctatagtg      300
agtcgtatta caattcactg gccgtcgttt tacaacgtcg tgactgggaa aacctggcg      360
ttaccaact taatcgctt gcagcacatc ccccttctgc cagctggcgt aatagcgaag      420
aggcccgcac cgatcgccct tccaacagt tgcgcagcct gaatggcgaa tggacgcgcc      480
tgtagcggcg cattaagcgc ggcgggtgtg gtggttacgc gcagcgtgac c      531

```

<210> 260

<211> 531

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from BD43-8(2)withM13R BD43-8 (178, 100, 11q2 2.3) (see Figure 3)

<400> 260

```

ggaggggtgtt tgcacaatct tggctcactg caacctccac ctgcagttc aagcaattct      60
tgtgccttag cctcctgaat agtagctggg attacgggcg tgtgccatca caccagcta      120
atTTTTgtat ttttagtaga gacagttgtc caggctggtc ttgaattcct ggcctcaaga      180
gatccgctgg ctttggcctc tcaaactgct gggagtacag gcaagccgaa ttctgcagat      240
atccatcaca ctggcgggcg ctcgagcatg catctagagg gcccaattcg ccctatagtg      300
agtcgtatta caattcactg gccgtcgttt tacaacgtcg tgactgggaa aacctggcg      360
ttaccaact taatcgctt gcagcacatc ccccttctgc cagctggcgt aatagcgaag      420
aggcccgcac cgatcgccct tccaacagt tgcgcagcct gaatggcgaa tggacgcgcc      480
tgtagcggcg cattaagcgc ggcgggtgtg gtggttacgc gcagcgtgac c      531

```

<210> 261  
 <211> 529  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from BD43-9withM13R (see Figure 3)

<400> 261  
 ggagggtggt tgcacaatct cagctcactg caaccttcgc ctcccgggtt caagtgattc 60  
 tcctgcctca gcctcctgag tagctaggac tatagatgcc cccaccacgc ctggctaata 120  
 tttgtatattt tttagtacag tcgggggttt gccatgttgg ccaggctgat ctgaaccccc 180  
 tgacctcaac tgatccaccc acctcggcct tccaaactgc tgggagtaca ggcaagccga 240  
 attctgcaga tatccatcac actggcgggc gctcgagcat gcatctagag ggcccaattc 300  
 gccctatagt gagtcgtatt acaattcaact ggccgtcgtt ttacaacgtc gtgactggga 360  
 aaaccctggc gttacccaac ttaatcgct tgcagcacat tcccctttcg ccagctggcg 420  
 taatagcgaa gaggcccgca ccgatcgccc ttccaacagt tgcgcagcct gaatggcgaa 480  
 tggacgcgcc ctgtagcggc gcattaagcc cggcgggtgt ggtgggttac 529

<210> 262  
 <211> 563  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Alu sequence cloned from BD43-10withM13R (see Figure 3)

<400> 262  
 ggagggtggt tgcacaatct cagctcactg caacctccct cttctgcatt caaatgattc 60  
 tcatgcctca gccttccgag tagctggaat tacagacatg tactaccaca ccaggctaag 120  
 ttttgtatatt ttagtagaga cgagggttca ccatgttggc caggctggtc ttgaactcct 180  
 ggctcaagt gatccacctg ccttggcttc ccaaactgct gggagtacag gcaagccgaa 240  
 ttctgcagat atccatcaca ctggcgggcg ctcgagcatg catctagagg gcccaattcg 300  
 ccctatagtg agtcgtatta caattcactg gccgtcgttt tacaacgtcc gtgactggga 360  
 aaaccctggc gttacccaac ttaatcgct tgcagcacat ccccccttc gccagctggc 420

gtaatagcga agaggccgc accgatcgcc cttcccaaca gtttgcgag cctgaatggc 480  
 gaatggacgc gccctgtagc ggcgcattaa gcgcggcggg tgtggtgggtt acgcgcagcg 540  
 tgaccgctac acttgccagc gcc 563

<210> 263

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Alu sequence cloned from BD43-14 (191, 100, 16q24.2) withM13R (see Figure 3)

<400> 263

ggaggggtgtt tgcacaatct cagctcacca caaccttttc ctgctgggtt caagtgatta 60  
 tcctgcctca acctcccgac tagctgggat tacaggcatg caccaccatg cctggctaata 120  
 tttgtatattt tagcagagac agtggtttctc catgttggtg aggctggtct caaactcccg 180  
 acctcaggtg atccgcctgc ctcagcctcc caaactgctg ggagtacagg caagccgaat 240  
 tctgcagata tccatcacac tggcggccgc tcgagcatgc atctagaggg cccaattcgc 300  
 cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa 360  
 accctggcgt taccctaactt aatcgcttg cagcacatcc ccctttcgcc agctggcgta 420  
 atagcgaaga ggcccgacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat 480  
 ggacgcgccc tgtaacggcg cattaagcgc ggcgggtgtg gtggttacgc gcagcgtgac 540  
 cgctacactt gccagcgcgc tagcgc 566